

South Dakota Certified Seed

GROWER DIRECTORY

FALL 2019 / SPRING 2020



***CERTIFICATION SERVICE
SOUTH DAKOTA
CROP IMPROVEMENT
ASSOCIATION***

Member of . . .

*Association of Official Seed
Certifying Agencies*

Cooperating with . . .

South Dakota State University

Operating under . . .

*Authority of the South Dakota
State Seed Certification Board*

STATE SEED CERTIFICATION BOARD

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SOUTH DAKOTA CROP IMPROVEMENT ASSOCIATION

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THE PURPOSE OF SEED CERTIFICATION

The purpose of Seed Certification is to maintain and make available to the public sources of high quality seeds and propagating materials of superior varieties so grown and distributed as to insure genetic identity.

Varieties eligible for certification have resulted either from natural selection or through systematic plant breeding techniques. In either case, without a planned method for maintaining genetic purity, there is grave danger of losing varietal identity.

Varietal purity is the first consideration in Seed Certification, but other factors such as weeds, diseases, viability, mechanical purity and grading are also important.

Seed Certification is designed to maintain not only the genetic purity of superior crop varieties but also reasonable standards of seed condition and quality.

Classes of Certified Seed

Foundation seed is the progeny of Breeder or Foundation Seed Stocks produced under control of the originator or sponsoring plant breeding institution, or person, or designee thereof. As applied to certified seed, Foundation seed is a class of certified seed which is produced under procedures established by the certifying agency for the purpose of maintaining genetic purity and identity.

Registered seed is the progeny of Breeder or Foundation seed handled according to procedures prescribed by the certifying agency so as to maintain satisfactory genetic purity and identity.

Certified seed is the progeny of Breeder, Foundation, or Registered seed so handled as to maintain satisfactory genetic purity and identity and which has been approved by the certifying agency.

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PLEASE NOTE

The following list of seed growers includes only those whose fields are planted with Foundation or Registered seed and who have made application for certification and have passed all inspections to date.

Certification can be completed only after the seed from these approved fields has passed all certification tests and standards. **FINAL CERTIFICATION** will depend on a satisfactory laboratory analysis of the conditioned (cleaned) seed lot.

The growers listed will, therefore, only accept tentative orders that will be filled if seed is finally certified, which in fact will be designated by the certification tag or bulk transfer certificate. Seed offered for sale without this documentation **CANNOT** be considered Certified Seed.

The South Dakota Crop Improvement Association and Seed Certification Service are not marketing organizations; hence, inquiries for seed should be made directly to the growers listed.

Neither the South Dakota Crop Improvement Association nor the Certification Service assumes any financial responsibility regarding seed listed, although every attempt has been made to insure high quality seed which conforms to the certification standards.

Please report any irregularities.

Pre-Variety Germplasm Certification for Native Grasses and Forbs

This type of certification is available for seeds and other propagating materials of germplasm types that have not been released as varieties.

Protocols include: Site identification; field inspection; and seed sampling and testing.

Three different germplasm types or levels are possible based on the amount of genetic study on the germplasm ascension that has taken place; each type may be marketed as wildland collected seed (Generation 0) or as Generation 1 or later seed from field production:

Source Identified (yellow tag): only the species and original germplasm collection site is known.

Selected (green tag): shows promise of superior and/or identifiable traits as contrasted with other germplasm ascensions, ecotypes, or variety/cultivars of the same species when compared to a common site.

Tested (blue tag): requires progeny testing to prove that superior and/or identifiable traits of interest are heritable in succeeding generations.

SPECIES OF NATIVE GRASSES AND FORBS IN PROGRAM

| Common Name/Scientific Name | Producer |
|--|--|
| Little Bluestem/ <i>Schizachyrium scoparium</i> | Jerry Roitsch, Bristol 605-492-3330 |

Quality Assurance Program



South Dakota Crop Improvement Association's (SDCIA) Quality Assurance (QA) program provides a uniform, unbiased quality control system and marketing tool for crop seeds merchandised as varieties, hybrids, brands or blends. While it is designed as a complete quality control system for seed not eligible for certification, its guidelines are very similar to those of the certification program. It is easily customized to meet the needs of the individual seed producer. The QA Program provides significant value for companies and producers who need to adhere to sound quality control programs or meet license agreement protocols in today's era of high value technology and specific genetic traits associated with today's seed products.

The following companies/individuals have produced seed under the SDCIA Quality Assurance Program.

| | |
|--|--------------|
| Ag Performance, Inc., Buffalo Center, IA | 641-562-2370 |
| Legend Seeds, DeSmet, SD | 800-678-3346 |
| Hansmeier & Son, Inc., Bristol, SD | 605-492-3611 |
| McNeil, B.J., Huron, SD | 605-354-3419 |

CERTIFIED SEED

Professionally grown **Certified Seed** typically produces higher yields than farmer-saved seed, which means higher net returns for the producer. Purchasing **New Certified Seed** each year will ensure that the producer is getting the highest quality seed available. In addition to being field inspected, conditioned by approved professionals, and laboratory tested, the **Certified Seed Label** is proof that the seed has met all of the standards set forth by the South Dakota Crop Improvement Association.



ORDER YOUR NEW CERTIFIED SEED TODAY!

CROP VARIETY DESCRIPTIONS
HRS Wheat Variety Characteristics

| Variety | Origin | Year Rel. | Height Classification | Plant Height (in.) | Rust Reaction* | | | Protein | Straw Strength | Relative Maturity (Days)** | Beards | PVP** | FHB |
|-----------|--------|-----------|-----------------------|--------------------|----------------|------|------|-------------|----------------|----------------------------|--------|----------------|-----|
| | | | | | Stripe | Leaf | Stem | | | | | | |
| Advance | SD | '11 | Semi-Dwarf | 30" | MS | MS | MR | Medium | Good | 4 | Yes | PVP-94 Title V | MR |
| Bolles | MN | '15 | Semi-Dwarf | 31" | MS | R | -- | High | Good | 6 | Yes | PVP-94 Title V | MR |
| Boost | SD | '16 | Medium | 31" | S | MR | -- | Medium | Good | 6 | Yes | PVP-94 Title V | MR |
| Brick | SD | '08 | Medium | 32" | MS | R | R | Medium | Good-Medium | 0 | Yes | PVP-94 Title V | MR |
| Briggs | SD | '02 | Medium | 32" | MR | MS | MR | Medium-High | Good-Medium | 2 | Yes | PVP-94 Title V | MS |
| Faller | ND | '07 | Semi-Dwarf | 26" | S | R | R | Medium | Good | 6 | Yes | PVP-94 Title V | MS |
| Focus | SD | '15 | Medium | 34" | S | MR | -- | Medium | Good | 1 | Yes | PVP-94 Title V | MR |
| Forefront | SD | '11 | Medium | 34" | MS | MS | MR | Medium | Good | 2 | Yes | PVP-94 Title V | MR |
| Lang-MN | MN | '17 | Medium | 32" | MS | MR | R | Medium | Good | 4 | Yes | Yes* | MR |

| | | | | | | | | | | | | | |
|-------------|-----|-----|------------|-----|----|----|----|-------------|-------------|---|-----|----------------|----|
| LCS Rebel | LCS | '17 | Semi-Dwarf | 30" | S | MR | -- | Medium | Good-Medium | 2 | Yes | PVP-94 | MR |
| LCS Trigger | LCS | '15 | Semi-Dwarf | 31" | MS | MR | R | Medium | Good | 7 | Yes | PVP-94 | MR |
| Linkert | MN | '13 | Semi-Dwarf | 27" | MS | MR | -- | Medium | Good | 4 | Yes | PVP-94 Title V | MS |
| Prevail | SD | '13 | Semi-Dwarf | 28" | MR | MR | MR | Medium | Good | 2 | Yes | PVP-94 Title V | MR |
| Prosper | ND | '11 | Medium | 32" | S | S | R | Medium | Good | 3 | Yes | PVP-94 Title V | MR |
| Shelly | MN | '16 | Semi-Dwarf | 30" | MR | MR | -- | Medium | Good | 7 | Yes | PVP-94 Title V | MR |
| Surpass | SD | '16 | Semi-Dwarf | 31" | S | MR | -- | Medium | Good | 2 | Yes | Yes* | MR |
| SY Ingmar | SYN | '14 | Semi-Dwarf | 30" | S | MR | R | Medium-High | Good | 3 | Yes | PVP-94 Title V | MR |
| SY Rustler | SYN | '16 | Semi-Dwarf | 30" | MS | MR | MR | Medium | Good | 4 | Yes | PVP-94 Title V | MR |
| SY Valda | SYN | '15 | Semi-Dwarf | 27" | S | MR | R | Medium | Good | 5 | Yes | PVP-94 Title V | MR |
| WB9590 | WB | '18 | Semi-Dwarf | 27" | S | MR | R | Medium | Good | 2 | Yes | Yes* | MS |
| WB9719 | WB | '18 | Semi-Dwarf | 30" | S | MR | R | Medium | Good | 6 | Yes | Yes* | MR |

*S = Susceptible, MS = Moderately Susceptible, MR = Moderately Resistant, R = Resistant, M = Intermediate
PVP** - PVP Title V - Certification Option - to be sold by variety name only as a class of Certified Seed. PVP-94 without Title V. Yes* - application pending/ anticipated.
***Relative Maturity. Brick is the check variety. Positive number indicates days later than Brick.
SYN: Syngenta Seeds/AgriPro LCS: Limagrain Cereal Seeds WB: WestBred, LLC

HRW WHEAT VARIETY CHARACTERISTICS 2019

| Variety | Origin | Year Rel. | Leaf | Rust Reaction* | Stem | Stripe | Wheat Streak Mosaic | Relative Heading (0-7) | Straw Strength | Relative Plant Height | Winter Hardiness | End-Use Quality | Chaff Color | PVP** |
|---------------|--------|-----------|------|----------------|------|--------|---------------------|------------------------|----------------|-----------------------|------------------|-----------------|-------------|-------------|
| AP503 CL2 | AP | '08 | S | MR | MR | MS | MS | Medium Early 3 | Excellent | Short 28" | Good | Acceptable | White | PVP Title V |
| Arapahoe | NE | '88 | MR | MR | MR | MS | S | Medium Early 3 | Fair | Medium 30" | Good-Excellent | Good | White | No |
| Expedition | SD | '02 | MS | R | R | S | S | Early 0 | Fair | Short 29" | Good-Excellent | Good | White | PVP Title V |
| Ideal | SD | '11 | MS | MR | MR | S | S | Medium 4 | Excellent | Short 29" | Good | Acceptable | White | PVP Title V |
| Keldin | WB | '13 | MR | -- | MR | -- | -- | Medium 4 | Excellent | Short 29" | Excellent | Acceptable | White | PVP Title V |
| LCS Chrome | WB | '16 | MR | S | R | R | S | Early 2 | Good | Short 29" | Excellent | Good | White | PVP-94 |
| LCS Mint | LCS | '12 | MR | MS | MS | MS | MR | Early 0 | Good | Short 29" | Good | Excellent | White | PVP Title V |
| Lyman | SD | '08 | MR | R | R | S | S | Early 2 | Fair | Medium 31" | Good | Acceptable | White | PVP Title V |
| Oahe | SD | '16 | MS | MS | MR | MR | MR | Medium 4 | Good | Medium 31" | Good | Acceptable | White | PVP Title V |
| Overland | NE/SD | '07 | MR | MR | MR | S | MS | Medium 4 | Good | Medium 30" | Excellent | Acceptable | White | PVP Title V |
| Redfield | SD | '13 | MS | MR | MR | MS | S | Medium 4 | Excellent | Short 28" | Good-Excellent | Good | Brown | PVP Title V |
| SY517CL2 | SYN/AP | '17 | MR | R | R | MS | -- | Early 2 | Good | Short 26" | Good | Acceptable | White | PVP Title V |
| SY Monument | SYN/AP | '14 | MR | R | R | MR | MS | Early 2 | Good | Short 27" | Good-Excellent | Acceptable | White | PVP Title V |
| SY Sunrise | SYN/AP | '15 | MR | R | R | MR | MS | Early 2 | Good | Short 26" | Good | Acceptable | White | PVP Title V |
| SY Wolf | SYN/AP | '11 | R | MR | MR | S | MR | Medium Early 3 | Excellent | Short 28" | Good-Excellent | Acceptable | White | PVP Title V |
| Thompson | SD | '17 | MR | MS | MS | MS | MS | Medium 4 | Fair | Medium 31" | Good | Acceptable | White | Yes* |
| WB4418 | WB | '17 | R | MR | MR | MS | MR | Early 0 | Good | Short 26" | Good | Good | White | Yes* |
| WB4462 | WB | '16 | MR | -- | R | S | S | Early 0 | Good | Medium 30" | Good | Good | White | PVP-94 |
| WB-Grainfield | WB | '12 | MR | MR | MR | MS | MR | Early 0 | Good | Short 28" | Good | Good | White | PVP-94 |
| Wesley | NE | '98 | MS | R | R | S | S | Early 2 | Excellent | Short 27" | Good-Excellent | Good | Brown | No |

*S = Susceptible MS = Moderately Susceptible MR = Moderately Resistant R = Resistant

PVP** - PVP Title V - Certification Option - to be sold by variety name only as a class of Certified Seed. PVP-94 without Title V. Yes* - application pending/ anticipated.

OAT VARIETY CHARACTERISTICS

--Disease Reaction*--

| Variety | Origin | Year Rel. | Color Grain | Test Weight | Relative Maturity*** (Days) | Height | Straw Strength | Red Leaf | --Disease Reaction*-- | | | | Protein | PVP** |
|------------------|--------|-----------|-------------|-------------|-----------------------------|--------|----------------|----------|-----------------------|-----------|------------|-------------|----------------|-------|
| | | | | | | | | | Smut | Stem Rust | Crown Rust | MS | | |
| Beach | ND | '04 | White | Fair | 7 | Tall | Good | MS | R | S | MS | Low | No | |
| Buff (Hull-less) | SD | '02 | Hull-less | Very Good | 4 | Medium | Good | MR | R | S | MS | Medium High | No | |
| Colt | SD | '09 | White | Good | 0 | Medium | Fair | MS | R | MS | S | Medium High | PVP-94 Title V | |
| Deon | MN | '13 | Yellow | Good | 9 | Tall | Good | MS | R | MR | R | Medium High | PVP-94 Title V | |
| Goliath | SD | '12 | White | Good | 9 | Tall | Good | MR | MR | R | S | Medium High | PVP-94 Title V | |
| Hayden | SD | '14 | White | Good | 7 | Tall | Good | MR | R | MS | S | Medium | PVP-94 Title V | |
| Horsepower | SD | '11 | White | Good | 4 | Medium | V Good | MS | S | R | S | Medium | PVP-94 Title V | |
| Jerry | ND | '94 | White | Good | 4 | Medium | Good | MR | S | MS | S | Medium High | No | |
| Natty | SD | '14 | White | Good | 2 | Tall | V Good | MR | MR | MS | S | Medium-High | PVP-94 Title V | |

| | | | | | | | | | | | | | |
|----------------------|----|-----|-----------|-----------|---|-------------|--------|----|----|----|----|-------------|----------------|
| Newburg | ND | '11 | White | Fair | 7 | Tall | Good | MR | S | R | S | Medium | PVP-94 |
| Paul (Hull-less) | ND | '94 | Hull-less | Very Good | 8 | Medium | Good | S | MS | MR | MS | Medium | PVP-94 |
| Rockford | ND | '09 | White | Fair | 9 | Tall | Good | MS | MS | S | S | Medium High | PVP-94 |
| Saddle | SD | '17 | White | Good | 1 | Medium | V Good | MS | R | S | R | Medium | PVP* |
| Shelby 427 | SD | '09 | White | Good | 2 | Medium Tall | V Good | MR | R | MS | S | Medium High | PVP-94 Title V |
| Souris | ND | '06 | White | Fair | 8 | Medium | Good | MS | MR | MS | S | Medium | PVP-94 |
| Stallion | SD | '06 | White | Very Good | 7 | Tall | Fair | MS | S | S | MR | Medium | PVP-94 Title V |
| Stark (Hull-less) | ND | '04 | Hull-less | Good | 6 | Medium Tall | Good | -- | -- | MR | MS | Medium | PVP-94 |
| Streaker (Hull-less) | SD | '09 | Hull-less | Very Good | 3 | Medium Tall | Good | MR | R | MR | MS | Medium High | PVP-94 Title V |
| Warrior | SD | '18 | White | Good | 1 | Medium | Good | MS | R | -- | R | Medium | PVP* |

*S = Susceptible, MS = Moderately Susceptible, MR = Moderately Resistant, R = Resistant

PVP**- PVP Title V - Certification Option - to be sold by variety name only as a class of Certified Seed. PVP-94 without Title V. Yes* - application pending/ anticipated.

***Relative Maturity. Colt is the check variety. Positive number indicates days later than Colt.

SOYBEAN VARIETY CHARACTERISTICS

| Variety | Origin | Year Rel. | Relative Maturity ⁽¹⁾ | Flower Color | Pubescence | Pod Color | Hilum Color | Seed Coat Lustre | Emergence ⁽²⁾ | Shattering ⁽³⁾ | Iron Chlorosis ⁽⁴⁾ | Phytophthora Root Rot ⁽⁵⁾ | Lodging Resistance | PVP ⁽⁶⁾ |
|-----------|--------|-----------|----------------------------------|--------------|------------|-----------|-------------|------------------|--------------------------|---------------------------|-------------------------------|--------------------------------------|--------------------|--------------------|
| Brookings | SD | '12 | 1.7 | Purple | Gray | Tan | Buff | D | -- | 2 | -- | RIK | Good | No |
| Codington | SD | '13 | 1.0 | Purple | Tawny | Brown | Black | D | -- | 3 | 1.0 | RI | Good | No |
| Davison | SD | '09 | 2.2 | White | Lt. Tawny | Tan | Black | D | I | I | -- | RI | Good | Yes |
| Deuel | SD | '09 | 1.1 | Purple | Tawny | Brown | Black | D | I | I | -- | RIK | Fair-Good | Yes |
| Hamlin | SD | '05 | 0.9 | White | Tawny | Brown | Black | D | I | I | 2.3 | RIK | Good | Yes |
| MNI 806CN | MN | '14 | 1.8 | White | Tawny | Brown | Yellow | -- | -- | -- | -- | -- | -- | No |
| Roberts | SD | '13 | 0.6 | Purple | Gray | Brown | Gray | D | -- | I | 3.0 | RIK | Good | No |
| Spink | SD | '02 | 0.8 | Purple | Gray | Brown | Buff | D | I | I | 2.4 | RI | Good | Yes |
| Stride | SD | '97 | 1.4 | Purple | Gray | Brown | Imp. Black | S | I | I | 3.7 | RI | Excellent | Yes |
| Surge | SD | '97 | 0.7 | Purple | Gray | Brown | Imp. Black | D | I | I | 2.7 | RI | Good | Yes |
| Turner | SD | '99 | 2.3 | White | Gray | Brown | Buff | D | I | I | 3.0 | RI | Good | Yes |

* Plant Variety Protection applied for.

(1) Relative Maturity: 95% ripe pods. First digit is the maturity group with the number following the decimal point is the maturity rating within that group. Group 0 maturities spanned 18 calendar days so each unit on the relative scale (0.1) represents 1.8 days. In contrast, Group 1 maturities spanned 13 days and Group II spanned 12 days. Therefore, each (0.1) unit on the relative maturity scale represents 1.3 days for Group I and 1.2 for Group II varieties listed above.

(2) Emergence - indicates the percent of seeds that have emerged after 12 days from 4 1/2" depth (sand), maintained at 77° F. Scores indicate: 1 = more than 85% emerged, 2 = 70-84%, 3 = 45-69%, 4 = 20-44%, and 5 = 1-19%.

(3) Shattering - indicates the percent pods that have opened two weeks after maturity. Scores indicate 1 = no shattering, 2 = 1-10%, 3 = 11-25%, 4 = 26-50%, and 5+ over 50% shattered.

(4) Iron Chlorosis - susceptibility is evaluated on sites with high pH soils and range from 1 (little or no yellowing) to 3 (moderate yellowing) to 5 (severe yellowing).

(5) Phytophthora Root Rot: S = Susceptible, R1, R3, and R4 = Genes for resistance to different races of Phytophthora.

(6) PVP - Plant Variety Protection, Title V. Certification Option - To be sold by variety name only as a class of Certified Seed. Yes** - application anticipated/pending.

PLANT VARIETY PROTECTION (PVP)

This is not a complete list of varieties and the associated Plant Variety Protection. For a complete list please visit the Plant Variety Protection Web Site at <https://www.ams.usda.gov/services/plant-variety-protection>. There are two levels of Plant Variety Protection (PVP) 1) PVP - the variety must be sold by variety name with the variety owner's permission (the variety in question does not need to be certified but the seller MUST have the owner's permission. 2) PVP Title V - this means that the variety in question can only be sold as a class of certified seed. In either case the purchaser may replant the seed from the variety that he has purchased for as many seasons as is wished. It is the responsibility of the buyer and seller to confirm the PVP status of the variety in question before the seed changes ownership. It is illegal for anyone to purchase grain of a protected variety and use it for any planting purposes.

PLANT VARIETY PROTECTION (PVP)-PVA 1994 TITLE V OPTION (PVP TITLE V)

| Spring Wheat | | Winter Wheat | | Oats | |
|---------------|-------------|---------------|-------------|--------------|-------------|
| Variety | PVP Level | Variety | PVP Level | Variety | PVP Level |
| Advance | PVP Title V | AC Radiant | None | Coif | PVP Title V |
| Ambush | None | Alice | PVP Title V | Deon | PVP Title V |
| Barlow | PVP Title V | Art | PVP Title V | Everleaf 126 | PVP Title V |
| Bolles | PVP Title V | AP503CL2 | PVP Title V | Goliath | PVP Title V |
| Boost | PVP Title V | Araphoe | None | Hayden | PVP Title V |
| Breaker | PVP | Broomer | PVP | HH | PVP Title V |
| Brennan | PVP Title V | Brawl CL Plus | PVP Title V | Housepower | PVP Title V |
| Brick | PVP Title V | CDC Falcon | PVP | Jerry | None |
| Briggs | PVP Title V | Expedition | PVP Title V | Morton | PVP |
| Elgin-ND | PVP Title V | Harding | PVP Title V | Natty | PVP Title V |
| Faller | PVP Title V | Hawken | PVP Title V | Newburg | PVP Title V |
| Focus | PVP Title V | Ideal | PVP Title V | Reeves | None |
| Forefront | PVP Title V | Infinity CL | PVP Title V | Rookford | PVP |
| Glenn | PVP Title V | Jagalene | PVP Title V | Saddle | PVP Title V |
| Granger | PVP Title V | Keldin | PVP Title V | Shelby 427 | PVP Title V |
| Kelby | PVP Title V | LCS Chrome | PVP | Souris | PVP |
| Lang-MN | PVP Title V | LCS Fusion AX | PVP Title V | Stallion | PVP Title V |
| LCS Albany | PVP Title V | LCS Mint | PVP Title V | Streater | PVP Title V |
| LCS Anchor | PVP | Lyman | PVP Title V | Warrior | PVP Title V |
| LCS Breakaway | PVP Title V | Matlock | PVP | | |
| LCS Iguacu | PVP Title V | Millennium | PVP Title V | | |

| | | | |
|---------------|-------------|---------------|-------------|
| LCS Powerplay | PVP Title V | Oate | PVP Title V |
| LCS Rebel | PVP | Overland | PVP Title V |
| LCS Trigger | PVP Title V | Redfield | PVP Title V |
| Linkert | PVP Title V | Settler CL | PVP Title V |
| LNR 10200 | PVP | Smockey Hill | PVP Title V |
| MS Camaro | PVP | Striker | PVP |
| MS Chevelle | PVP | SY517CL2 | PVP Title V |
| MS Stingray | PVP | SY Monument | PVP Title V |
| Prevail | PVP Title V | SY Sunrise | PVP Title V |
| Prosper | PVP Title V | SY Wolf | PVP Title V |
| RB07 | PVP Title V | SY Wolverine | PVP Title V |
| Sarnson | PVP | Thompson | PVP |
| Select | PVP Title V | WB Grainfield | PVP |
| Shelly | PVP Title V | WB4059CLP | PVP |
| Steelie ND | PVP Title V | WB4462 | PVP |
| Surpass | PVP Title V | WB4614 | PVP |
| SY Ingmar | PVP Title V | WB4623CLP | PVP Title V |
| SY Rowyn | PVP Title V | WB4721 | PVP |
| SY Rusler | PVP Title V | Wendy | PVP Title V |
| SY Soren | PVP Title V | Wesley | None |
| SY Valda | PVP Title V | | |
| SY605CL | PVP Title V | | |
| Traverse | PVP Title V | | |
| Tom | PVP | | |
| Vantage | PVP | | |
| Velva | PVP Title V | | |
| WB Mayville | PVP Title V | | |
| WB Patron | PVP | | |
| WB9479 | PVP | | |
| WB9507 | PVP | | |
| WB9590 | PVP | | |
| WB9653 | PVP | | |
| WB9719 | PVP | | |
| WB9879CLP | PVP Title V | | |

VARIETIES WITH RESEARCH FEES

Most Varieties have research or production fees on the sales of Registered and Certified classes of seed. These fees are assessed at the first point of sale as a class of certified seed for varieties grown in South Dakota. If the variety in question is not listed please contact the SDCIA Office. Phone # 605-688-4604.

Spring Wheat Per Bu Charges

| | | | |
|-------------|--------|---------------|--------|
| Advance | \$0.60 | SY Wolverine | \$0.05 |
| Ambush | \$0.05 | Thompson | \$0.60 |
| Bolles | \$0.30 | WB Grainfield | \$0.05 |
| Boost | \$0.60 | WB4462 | \$0.05 |
| Brick | \$0.60 | Wesley | \$0.10 |
| Focus | \$0.60 | | |
| Forefront | \$0.60 | | |
| Lang-MN | \$0.30 | | |
| LCS Rebel | \$0.05 | | |
| LCS Trigger | \$0.05 | | |
| Linkert | \$0.30 | | |
| Prevail | \$0.60 | | |
| Prosper | \$0.30 | | |
| Surpass | \$0.60 | | |
| SY Ingmar | \$0.05 | | |
| SY Rowyn | \$0.05 | | |
| SY Rustler | \$0.05 | | |
| SY Valda | \$0.05 | | |
| WB Patron | \$0.05 | | |
| WB9479 | \$0.05 | | |
| WB9590 | \$0.05 | | |
| WB9719 | \$0.05 | | |

Oats Per Bu Charges

| | |
|------------|--------|
| Colt | \$0.30 |
| Deon | \$0.25 |
| Goliath | \$0.30 |
| Hayden | \$0.30 |
| Horsepower | \$0.30 |
| Natty | \$0.30 |
| Newburg | \$0.35 |
| Rockford | \$0.35 |
| Saddle | \$0.30 |
| Shelby 427 | \$0.30 |
| Warrior | \$0.30 |

Barley Per Bu Charges

| | |
|------------|--------|
| ND-Genesis | \$0.75 |
|------------|--------|

Peas/Lentils/

Chickpeas Per Bu Charges

| Winter Wheat | Per Bu Charges | Chickpeas | Per Bu Charges |
|---------------|----------------|----------------|----------------|
| AP503CL2 | \$0.05 | CDC Frontier | \$0.05 |
| Draper | \$0.60 | CDC Orion | \$0.05 |
| Expedition | \$0.10 | AAC Carver | \$0.05 |
| Ideal | \$0.60 | Agassiz | \$0.05 |
| Keldin | \$0.05 | CDC Amarillo | \$0.05 |
| LCS Chrome | \$0.05 | DS Admiral | \$0.05 |
| LCS Fusion AX | \$0.05 | Durwood | \$0.05 |
| LCS Mint | \$0.05 | Early Star | \$0.05 |
| Lyman | \$0.60 | Fergie | \$0.05 |
| Oahe | \$0.60 | LG Amigo | \$0.05 |
| Overland | \$0.60 | Nette 2010 | \$0.05 |
| Redfield | \$0.60 | Salamanca | \$0.05 |
| SY 517CL2 | \$0.05 | Spider | \$0.05 |
| SY Monument | \$0.05 | SW Midas | \$0.05 |
| SY Sunrise | \$0.05 | CDC Invincible | \$0.05 |
| SY Wolf | \$0.05 | CDC Maxim CL | \$0.05 |

FIELD PEAS

AAC PROFIT— AAC Profit field pea was developed by Agriculture and Agri-Food Canada. The variety was released in 2018 and is distributed by Birdsall Grain. AAC Profit field pea is a medium-late maturing pea, similar in height to AAC Carver. The variety is semi-leafless and has white flowers. The seeds are yellow in color and are medium in size, similar to AAC Carver. AAC Profit is a good yielder with good protein. AAC Profit has good resistance to powdery mildew.

| County | Name, Address | Telephone | Class | Acres |
|--------|------------------------------------|--------------------|--------------|-----------|
| Lyman | Karlen Ranch Partnership, Reliance | (605)473-5605..... | R | 83 |
| | | | TOTAL | 83 |

DS ADMIRAL— DS Admiral field pea originated from the cross Renata//Bohatyr/M420062 made in 1988 in Holeby, Denmark. The variety is maintained by Agriprogress Inc., in Morden, Manitoba. Danisco Seed is the PVP Applicant. DS Admiral is a semi-leafless variety. The seeds are yellow in color and are medium to large in size when dried. DS Admiral has white flowers that number two per node. The pods are green and are pointed on the distal end. DS Admiral matures mid-season. The variety is moderately susceptible to root rot and Mycosphaerella blight, but is resistant to powdery mildew. DS Admiral is protected under the Plant Variety Protection Act with Title V certification option.

| County | Name, Address | Telephone | Class | Acres |
|--------|------------------------------------|--------------------|--------------|------------|
| Lyman | Karlen Ranch Partnership, Reliance | (605)473-5605..... | C | 521 |
| | | | TOTAL | 521 |

FERGIE— Fergie field pea is a semi-leafless variety. The seeds are yellow in color, round and dimpled. Fergie has yellow cotyledons and black hilum color. Fergie has white flowers and the plants are upright. Fergie has Plant Variety Protection (PVP-94) with Title V certification option.

| County | Name, Address | Telephone | Class | Acres |
|---------|-------------------------------|--------------------|--------------|-----------|
| Stanley | Sioux Nation, LLC, Ft. Pierre | (605)223-2427..... | C | 80 |
| | | | TOTAL | 80 |

LG AMIGO— LG Amigo field pea was released by Limagrain Europe S.A. in 2017, and is licensed by Pulse USA, Bismarck, ND. The variety was tested as LGPN4244. LS Amigo is a semi-leafless variety. The seeds are yellow in color. LG Amigo has white flowers. Application for Plant Variety Protection has been made.

| County | Name, Address | Telephone | Class | Acres |
|----------|---------------------------|--------------------|--------------|------------|
| Walworth | Stiegelmeier Farms, Selby | (605)845-6034..... | F | 200 |
| | | | TOTAL | 200 |

SALAMANCA— Salamanca field pea is licensed by Great Northern Ag Plaza, ND. Salamanca is a semi-leafless variety. The seeds are yellow in color, mottled, rounded and dimpled. The seeds have a dull luster. The variety is about four inches shorter than DS Admiral. Salamanca has white flowers and the plants stand well. The pods are green and are pointed on the distal end. Salamanca matures mid-season. Salamanca is protected under the Plant Variety Protection Act with the Title V certification option.

| County | Name, Address | Telephone | Class | Acres |
|---------|------------------------------|--------------------|--------------|------------|
| Perkins | Brandon Carey, Hettinger, ND | (701)928-0030..... | C | 110 |
| | | | TOTAL | 110 |

SPIDER—Spider field pea is a semi-leafless dwarf variety released in 2008 by Nickerson International Research SNC. Spider is late – very late in maturity. The variety has yellow cotyledons, white flowers and green foliage color. Stipules are well-developed without “rabbit ears”. Flecking is present, pods are green, blunt and medium to long. Green color of immature pod is medium intense. Spider is protected under the Plant Variety Protection Act (PVP-94) with the Title V certification option.

| County | Name, Address | Telephone | Class | Acres |
|--------------|------------------------------------|--------------------|-------|------------|
| Lyman | Karlen Ranch Partnership, Reliance | (605)473-5605..... | R | 230 |
| TOTAL | | | | 230 |

FLAX

CDC NEELA—CDC Neela flax was developed by the Crop Development Centre, University of Saskatchewan and released in 2013. CDC Neela is a brown-seeded, blue-flowered variety. CDC Neela is later in maturity compared to CDC Bethune and CDC Sorrel. The variety is taller than CDC Bethune, but is shorter than CDC Sorrel. It has good oil content and quality. CDC Neela has good resistance to lodging and capsule loss. Application for Plant Variety Protection has been made.

| County | Name, Address | Telephone | Class | Acres |
|--------------|------------------------------|--------------------|-------|------------|
| Corson | Howe Seeds, Inc., McLaughlin | (605)823-4892..... | C | 147 |
| TOTAL | | | | 147 |

MILLET

GOLDEN GERMAN—Golden German Foxtail Millet is a selection from material maintained and grown for over 80 years by J.J. Deschamps and his son David of Wray, Colorado. The origin of the seed is obscure, but Golden German is well known to farmers of the northeastern Colorado area by this name. Golden German was released in 1969 by Colorado State University Agricultural Experiment Station. Golden German is of medium height, ranging between 26” to 42”, depending on moisture conditions. Plants tiller well, and exhibit medium purpling of the culms, leaves, and heads in late summer. At maturity the purple color generally fades, leaving the entire plant tawny buff or gold colored. Well-matured seed is definitely golden in color, although immature seed may grade into an off-white. Spike length will vary 2” to 6” and the spike is moderately lobed. Bristles are 2 ¾ to 3” long. Both forage and grain yields are high. Maturity is slightly earlier than White Wonder. Four classes of certified seed are recognized (Breeder, Foundation, Registered and Certified).

| County | Name, Address | Telephone | Class | Acres |
|--------------|--------------------------|--------------------|-------|------------|
| Hyde | Jeff Ellsworth, Highmore | (605)870-1421..... | C | 198 |
| TOTAL | | | | 198 |

BIG BLUESTEM

BONILLA—Bonilla big bluestem is a native perennial warm season grass capable of producing a sod from short rhizomes. Bonilla originated from native stands collected in 1961 north of Bonilla located in NW Beadle County, SD. The seed collected was used to establish an increase field at the USDA/NRCS Plant Materials Center at Bismarck, ND. The variety was released in 1988. Plants are tall, ranging from 31/2 to 61/2 feet in height. Big bluestem is best suited to subirrigated lowlands on level to gently undulating glacial till plains; overflow sites, level swales and depressions, and bottomlands along rivers and streams. Species

of big bluestem have a very wide area of adaptation throughout the U.S. and Canada. Bonilla is 25 days later in maturity than northern source NDG-4 and is 23 days earlier than Sunnyview. ‘Champ’, ‘Pawnee’ and ‘Kaw’ do not consistently produce mature seed in northern latitudes. Varieties need to be selected for the latitude they are to be grown in .

| County | Name, Address | Telephone | Class | Acres |
|--------------|---------------------------------|--------------------|-------|-----------|
| Brown | Pearlsgaard Farm, LLC, Houghton | (605)690-8669..... | C | 10 |
| TOTAL | | | | 10 |

BROME, MEADOW

CACHE—Cache meadow brome was developed by the USDA-ARS, Forage and Range Research Laboratory at Utah State University, Logan, UT and was released in 2004 with Plant Variety Protection. Cache was derived from selections of Regar, Fleet and Paddock. It was selected for improved seedling establishment and increased forage yields. Seed weight of Cache is significantly heavier than Regar. Meadow brome is an introduced, long-lived, cool season perennial with short rhizomes. Plants are 19-47” tall, with flat leaves 1/4” in width and 8-14” long. Leaves are pubescent on both sides. The upper surface is deeply grooved and the lower surface has a prominent mid-nerve giving the blade a somewhat folded appearance. Auricles are absent and the ligule is membranous. The inflorescence is an erect panicle, branching and whorled, drooping at maturity. Seeds are similar in appearance to smooth brome grass, but are twice the size and have much longer awns.

| County | Name, Address | Telephone | Class | Acres |
|--------------|--------------------------------|-------------------|-------|-----------|
| Charles Mix | Dakota’s Best Seed Co., Platte | (605)337-3318.... | C | 50 |
| TOTAL | | | | 50 |

ORCHARDGRASS

LATAR—Latar is a late maturing, hay-type Orchardgrass. Latar was originally introduced from the Institute of Plant Industry, Leningrad, Russia by the Westover-Enlow expedition in 1934. Latar blooms and matures seed on average 10-14 days later than commercial varieties. Leaves are abundant, broad, well distributed and noticeably light green. It is vigorous and high in vegetative production. Seed production is good. It has low lignin content and has higher digestibility than other varieties.

| County | Name, Address | Telephone | Class | Acres |
|--------------|--------------------------------|-------------------|-------|----------|
| Charles Mix | Dakota’s Best Seed Co., Platte | (605)337-3318.... | F | 1 |
| TOTAL | | | | 1 |

SIDEOATS GRAMA

PIERRE—Pierre sideoats grama was selected and released at the Soil Conservation Service (NRCS) Plant Materials Center, Bismarck, ND. A composite of seed was collected from several plants found in a native range west of Pierre, SD. These plants were selected for their outstanding vigor and leafiness. The line was tested as PM-SD-251 against many other field collections and was released as a variety in 1964. Pierre shows good disease resistance and seedling vigor. It is adapted to western South Dakota and adjoining areas of bordering states..

| County | Name, Address | Telephone | Class | Acres |
|--------------|-------------------------------|--------------------|-------|-----------|
| Day | Jerry & Nola Roitsch, Bristol | (605)492-3330..... | C | 25 |
| TOTAL | | | | 25 |

SWITCHGRASS

FORESTBURG—Forestburg switchgrass was selected at the Plant Materials Center, NRCS, Bismarck, N.D. from material collected in a native population located at Forestburg, S.D. The variety was developed from a composite of open-pollinated seed from four outstanding accessions grown individually in the nursery. The variety is a leafy, upland type of medium height. Under irrigation at Bismarck, forage yield is about 5 tons per acre. Seed yields have been high as 450 lbs. of PLS per acre. The variety was tested as PM-SD_149..

| County | Name, Address | Telephone | Class | Acres |
|--------|-------------------------------|--------------------|--------------|-----------|
| Day | Jerry & Nola Roitsch, Bristol | (605)492-3330..... | C | 50 |
| | | | TOTAL | 50 |

CRESTED WHEATGRASS

EPHRAIM—Ephraim crested wheatgrass was selected for its ability to produce Rhizomes as opposed to other wheatgrasses that are bunchgrass types. The variety was a cooperative release in 1982 by the USDA Forest Service Intermountain Forest and Range Experiment Station, Soil Conservation Service, Utah State Division of Wildlife Resources and the Agricultural Experiment Stations of Idaho, Utah and Arizona. Leaf height and forage production is comparable to 'Fairway' crested wheatgrass while culm length is slightly shorter. Ephraim is adapted to range sites where annual precipitation is between 10 and 14 inches. It is also adapted to a wide range of soils, including disturbed areas and mine spoils. Salt and alkali tolerance is moderately high. Rhizome formation improves under improved soil conditions, usually in the third year. Seeding rate for forage is 7-9 lbs. pls/acre at ½" depth in a firm seed bed. Seed increases should be planted in 28-40" rows at approximately 3 lbs. pls/acre.

| County | Name, Address | Telephone | Class | Acres |
|-------------|--------------------------------|-------------------|--------------|-----------|
| Charles Mix | Dakota's Best Seed Co., Platte | (605)337-3318.... | C | 16 |
| | | | TOTAL | 16 |

HYCREST II—Hycrest II crested wheatgrass was developed by the USDA/ARS as a cooperative release with Utah Agricultural Experiment Station in 2008. Hycrest II is one of the original parents to the cultivar Hycrest and originated by intercrossing 10 induced tetraploid plants of 'Fairway' crested wheatgrass. Hycrest II flag leaves were oriented higher on the culm than CD-II but similar to Hycrest, Nordan, and Douglas. Hycrest II had narrower flag leaves than Douglas but similar to Hycrest, CD-II, and Nordan. Spikes of Hycrest II were shorter than Nordan and Douglas but similar to Hycrest and CD-II. Douglas had wider spikes than Hycrest II, Hycrest, CD-II, and Nordan. Hycrest II had shorter lemmas than Douglas but similar to Hycrest, CD-II, and Nordan. Lemma awn length was shorter in Hycrest II, Hycrest, CD-II, and Nordan than Douglas. In general, the spikes of Hycrest II were shorter and wider than Hycrest, CD-II, and Nordan. Heading and flowering dates at Blue Creek and Nephi, UT, were the third week in May and first week in June, respectively. Hycrest II is an autotetraploid (2n = 4x = 28; PPPP) and has the same ploidy level and genomic composition as Hycrest, CD-II, and Nordan. Breeder, Foundation, Registered, and Certified seed classes of Hycrest II will be recognized. Breeder and Foundation seed will be

maintained by the USDA-ARS Forage and Range Research Laboratory at Logan, UT. Protection under the U.S. Plant Variety Protection Act of 1994 will be applied for, with the requirement that seed of Hycrest II can be marketed only as a class of Certified seed. No seed will be distributed without written permission for 20 yr from the date of release, 10 Apr. 2008, by the USDA-ARS, at which time seed will also be available from the National Plant Germplasm System. Foundation seed is be available through the Utah Crop Improvement Association.

| County | Name, Address | Telephone | Class | Acres |
|-------------|--------------------------------|-------------------|--------------|-----------|
| Charles Mix | Dakota's Best Seed Co., Platte | (605)337-3318.... | C | 76 |
| | | | TOTAL | 76 |

INTER. WHEATGRASS

MANIFEST—Manifest intermediate wheatgrass was released as a cultivar in 2007. This was a cooperative release with the USDA, Agricultural Research Service; the USDA, NRCS; and the ND AES, NDSU. It was selected from an introduction from Russia made by Douglas R. Dewey. Manifest was selected for its forage yield, seed yield, spring vigor and resistance to leaf spot disease. Manifest is easily established when seeded into a well packed weed-free seedbed. The optimum seeding depth should place the seed not more than 1 inch from the soil surface. The seeding rate of Manifest is 8.5 lbs. pls/acre in the western Dakotas.

| County | Name, Address | Telephone | Class | Acres |
|-------------|--------------------------------|-------------------|--------------|----------|
| Charles Mix | Dakota's Best Seed Co., Platte | (605)337-3318.... | C | 1 |
| | | | TOTAL | 1 |

OAHÉ—Oahe intermediate wheatgrass was developed by the South Dakota Agricultural Experiment Station. It was selected from an introduction from Russia which was released as Ree in 1945. It is a synthetic variety developed from four selected plants. Oahe was released to growers in 1961. Oahe is quite uniform in color and plant type. It is a blue-green variety that produces good yields of forage and/or seed. It is palatable and does well when planted alone or in a mixture with alfalfa..

| County | Name, Address | Telephone | Class | Acres |
|-------------|--------------------------------|-------------------|--------------|----------|
| Charles Mix | Dakota's Best Seed Co., Platte | (605)337-3318.... | C | 4 |
| | | | TOTAL | 4 |

PUB. WHEATGRASS

LUNA—Luna pubescent wheatgrass was developed and released in 1963 by the NRCS Los Lunas Plant Materials Center in cooperation with the New Mexico State University AES, Los Lunas, NM. Luna was selected from seed originating in Russia and Turkey in 1934 by the Westover-Enlow expedition. It was selected because it produces excellent forage and has vigorous seedling development. Luna is the most drought resistant of the taller growing wheat grasses and is long-lived. The leaves are wide, lax, and dark green. Plants stem height averages 48", and leaf height averages 30". Some seed heads appear glabrous, but all basal leaf blades are hairy. Pubescent wheatgrass is similar to intermediate wheatgrass in most respects, but is distinguishable by the pubescence on the seed heads and seeds. Luna is less pubescent than many other varieties. For seed production, this variety requires irrigation except in

areas that receive at least 18" of precipitation with the majority coming in the winter months.

| County | Name, Address | Telephone | Class | Acres |
|--------------|--------------------------------|-------------------|-------|-----------|
| Charles Mix | Dakota's Best Seed Co., Platte | (605)337-3318.... | C | 18 |
| TOTAL | | | | 18 |

MANSKA—Manska pubescent wheatgrass was developed by USDA/ARS at the Northern Plains Research Laboratory, Mandan, ND and was cooperatively released by NRCS, NDAES and UNL in April 1992. The variety tested as Mandan I2781 was selected from diverse seed lots of the experimental strain Mandan 759. Manska was selected for resistance to leaf spot disease, spring recovery, nutritional quality and forage and seed yields. The major advantage over other cultivars of pubescent and intermediate wheatgrass is the improved nutritional value of Manska. Pubescent wheatgrass is a cool-season, sod-forming grass introduced from Eurasia. It is similar in appearance and use to intermediate wheatgrass. Pubescent wheatgrass, however, is a subspecies of intermediate wheatgrass that is distinguished by the presence of short, stiff hairs on the seed head. Approximately 70% of the plants from Manska are pubescent. Manska is moderately rhizomatous and heads 7 to 8 weeks after spring greenup. Nearly all (85-90%) of the tillers produce seed heads. Plant height is 2.4'- 4' and is intermediate between slender and tall wheatgrass. One generation each of Foundation and Certified beyond Breeder seed is authorized.

Manska is adopted over a large geographic area of the northern and central Great Plains including adjoining southern Canadian Provinces where annual precipitation is above 14 inches.

| County | Name, Address | Telephone | Class | Acres |
|--------------|--------------------------------|-------------------|-------|----------|
| Charles Mix | Dakota's Best Seed Co., Platte | (605)337-3318.... | C | 9 |
| TOTAL | | | | 9 |

TALL WHEATGRASS

ALKAR—Alkar tall wheatgrass was developed by the SCS U.S. Department of Agriculture, released in 1951 and named in 1958 in cooperation with the Washington, Idaho and Oregon Ag Experiment Stations. It was isolated after several generations of selections from PI-98,526 introduced from the USSR in 1934. Alkar is a tall, very late maturing, stemmy, bunch-type wheatgrass with coarse, blue-green leaves. Seeds are large with good seedling vigor. It is used to reclaim non-productive saline and alkali lands. Used primarily for pasture, but can be used for hay or silage.

| County | Name, Address | Telephone | Class | Acres |
|--------------|--------------------------------|-------------------|-------|-----------|
| Charles Mix | Dakota's Best Seed Co., Platte | (605)337-3318.... | C | 50 |
| TOTAL | | | | 50 |

OATS

COLT—Colt oat is a white-hulled, spring oat developed by the South Dakota Agricultural Experiment Station (SDAES) and released in 2009. The line was tested as SD020883-29 and resulted from the cross SD97575/ND941119. Colt is an early maturing variety, one day earlier than Don and two days earlier than Reeves. In 2008 SDSU CPT trials, Colt was 3 inches taller than Don and four inches shorter than Reeves.

The variety is resistant to smut. Colt is moderately susceptible to red leaf and stem rust. Colt is susceptible to crown rust. Lodging resistance is equal to Jerry, but better than Stallion. Kernels are high in protein and the groat percentage is also high. Colt is protected under the Plant Variety Protection Act with the Title V certification option. A royalty fee will be collected on all sales of Registered and Certified classes for seed purposes.

| County | Name, Address | Telephone | Class | Acres |
|--------------|----------------------------|--------------------|-------|-----------|
| Jones | Henry Glen Roghair, Okaton | (605)669-2819..... | C | 50 |
| TOTAL | | | | 50 |

DEON—Deon oat was developed by the University of Minnesota Agricultural Experiment Station (AES) and released in 2013. The line was tested as MN07210 and resulted from the cross Sesqui*2/ Bettong/MN02108. Deon is a tall, late maturing variety similar to Rockford. Deon has good straw strength. Deon has yellow hulls which are nonfluorescent under UV light. The variety has good test weight and high protein. Deon is moderately resistant to stem rust. Deon is moderately susceptible to barley yellow dwarf virus (BYDV), and is resistant to smut and crown rust. Deon is protected under the Plant Variety Protection Act with the Title V certification option. Collection of a variety development fee for sales of Registered and Certified classes as well as Registered class seed used for the production of a seed crop will be made.

| County | Name, Address | Telephone | Class | Acres |
|--------------|----------------------------|--------------------|-------|------------|
| Clark | David Spieker, Willow Lake | (605)625-3685..... | C | 165 |
| TOTAL | | | | 165 |

GOLIATH—Goliath oat is a white-hulled, spring oat developed by the South Dakota Agricultural Experiment Station (SDAES) and released in 2012. The line was tested as SD090552 and was developed from the two parent population IL99-1338/SD97575-38-154. Varieties in the pedigree include Rise, Settler and Troy. Goliath has late maturity, heading 1.7 days later than Stallion. Goliath is 4.3 inches taller than Stallion. Goliath has excellent grain yield and forage yield potential, as well as good test weight. Goliath has a very high groat percentage and average protein content. The variety has excellent resistance to BYDV, stem rust and smut, but is susceptible to crown rust. Goliath has excellent straw strength, but should not be planted on very high fertility soils unless it will be harvested for forage. Goliath is protected under the Plant Variety Protection Act with the Title V certification option. Goliath will not have a saleable registered class. A royalty fee will be collected on all sales of the Certified class for seed purposes.

| County | Name, Address | Telephone | Class | Acres |
|-------------|---|--------------------|-------|-------|
| Brookings | Foundation Seed Stocks, Brookings | (605)688-5418..... | F | 130 |
| Brookings | Sexauer Discount Farm Services, Brookings | (605)696-7924..... | C | 43 |
| Brookings | Robert Thompson, Bruce | (605)983-3984..... | C | 110 |
| Campbell | Mark & Paul Weisbeck, Herried | (605)437-2963.... | C | 75 |
| Charles Mix | Pharmco Industries, LLC, Platte | (605)337-3374... | C | 563 |
| Charles Mix | Seed Exchange, Platte | (605)337-9882..... | C | 164 |
| Codington | Discount Seeds, Inc., Watertown | (605)886-5888. | C | 160 |
| Codington | Allen Heuer, Summit | (605)868-0914..... | C | 50 |
| Codington | Bret McGillivray, Watertown | (605)881-4330..... | C | 85 |
| Codington | TP Johnson Farms, Henry | (605)881-8006..... | C | 227 |
| Corson | Howe Seeds, Inc., McLaughlin | (605)823-4892..... | C | 144 |

| | | | | |
|--------------|---------------------------------------|---------------|---|-------------|
| Day | Hansmeier & Son, Inc., Bristol | (605)492-3611 | C | 150 |
| Gregory | Dean Norberg, Burke | (605)830-2062 | C | 138 |
| Hand | Chis Howard Ranch, Miller | (605)204-0299 | C | 160 |
| Hyde | Jeff Ellsworth, Highmore | (605)870-1421 | C | 112 |
| Jerauld | MPM Certified Seed, Wess Springs | (605)770-9679 | C | 990 |
| Kingsbury | Green Thumb Commodities, Inc., Oldham | (605)482-8295 | C | 220 |
| Kingsbury | Nick & Cody Hall, Arlington | (605)203-1249 | C | 25 |
| Kingsbury | Halls Seed LLC, Arlington | (605)690-3594 | C | 81 |
| Lake | Mustang Seeds, Inc., Madison | (605)256-6529 | C | 1465 |
| Spink | Stacey Frericks, Ashton | (605)472-3163 | C | 37 |
| Stanley | Sioux Nation, LLC, Ft. Pierre | (605)223-2427 | C | 38 |
| Tripp | Jorgensen Land & Cattle, Ideal | (605)842-3217 | C | 325 |
| TOTAL | | | | 5492 |

HAYDEN—Hayden oat is a white-hulled, spring oat developed by the South Dakota Agricultural Experiment Station (SDAES) and released in 2015. The line was tested as SD111972 and was developed from the three parent population Buckskin/ND011054/SD020835. Hayden has medium-late maturity, heading about 4 days later than Shelby 427. Hayden is 2 inches taller than Shelby 427 and 4 inches shorter than Goliath. Hayden has excellent yield potential and high test weight. Hayden is resistant to smut and moderately resistant to BYDV. The variety is susceptible to crown rust and moderately susceptible to stem rust. Lodging resistance is better than Goliath and similar to Shelby 427. Hayden is protected under the Plant Variety Protection Act with the Title V certification option. A royalty fee will be collected on all sales of Certified seed. There will be no saleable registered class of seed.

| County | Name, Address | Telephone | Class | Acres |
|-------------|---|---------------|-------|-------|
| Beadle | Jason Gruenhagen, DeSmet | (605)860-9959 | C | 55 |
| Brookings | Foundation Seed Stocks, Brookings | (605)688-5418 | F | 129 |
| Brookings | Sexauer Discount Farm Services, Brookings | (605)696-7924 | C | 35 |
| Brown | LW Sales, Inc., Groton | (605)397-8111 | C | 150 |
| Charles Mix | Kirsch Farms, White Lake | (605)337-9658 | C | 82 |
| Charles Mix | Pharmco Industries, LLC, Platte | (605)337-3374 | C | 278 |
| Codington | Discount Seeds, Inc., Watertown | (605)886-5888 | C | 80 |
| Codington | Jay Grinols, South Shore | (605)886-8174 | C | 55 |
| Corson | Howe Seeds, Inc., McLaughlin | (605)823-4892 | C | 176 |
| Douglas | Larry Vander Ley, Corsica | (605)946-5409 | C | 40 |
| Gregory | Dean Norberg, Burke | (605)830-2062 | C | 33 |
| Hyde | Jeff Ellsworth, Highmore | (605)870-1421 | C | 64 |
| Hamlin | Larry Knutson, Estelline | (605)873-2603 | C | 80 |
| Huges | Skyler Dowling, Pierre | (605)222-9065 | C | 220 |
| Jerauld | Eric Jackson, Wess Springs | (605)680-3713 | C | 264 |
| Jones | Rankin & Sons, Inc., Draper | (605)669-2511 | C | 66 |
| Kingsbury | Green Thumb Commodities, Inc., Oldham | (605)482-8295 | C | 238 |
| Kingsbury | Norman Koehlmoos, DeSmet | (605)854-3524 | C | 130 |
| Lake | Mustang Seeds, Inc., Madison | (605)256-6529 | C | 370 |
| McCook | Cordell S. Hofer, Salem | (605)660-1582 | C | 76 |
| McCook | Kurt Stiefvater, Salem | (605)360-1618 | C | 63 |
| Potter | Cronin Farms, Gettysburg | (605)765-9287 | C | 157 |
| Spink | Stacey Frericks, Ashton | (605)472-3163 | C | 90 |
| Spink | Rory Troske, Turton | (605)897-6656 | C | 272 |
| Tripp | Jorgensen Land & Cattle, Ideal | (605)842-3217 | C | 586 |
| Tripp | Title Farms, Winner | (605)840-4332 | C | 227 |

| | | | | |
|--------------|---------------------------|---------------|---|-------------|
| Turner | Lee Brockmueller, Freeman | (605)925-4632 | C | 38 |
| Walworth | Stiegelmeier Farms, Selby | (605)845-6034 | C | 55 |
| TOTAL | | | | 4109 |

HORSEPOWER—Horsepower oat is a white-hulled, spring oat developed by the South Dakota Agricultural Experiment Station (SDAES) and released in 2011. The line was tested as SD081936 and was developed from the three parent population SD030888/SD030888/ND030349. Varieties in the pedigree include Settler and Troy. Horsepower has early-medium maturity, heading 2 days later than Shelby 427. Horsepower is 2 inches shorter than Colt. Horsepower has excellent yield potential and average test weight. The variety is resistant to stem rust. Horsepower is moderately resistant to smut and moderately susceptible to BYDV. Horsepower is susceptible to crown rust. Lodging resistance is better than Shelby 427 and Colt. Horsepower is protected under the Plant Variety Protection Act with the Title V certification option. Horsepower will not have a saleable registered class. A royalty fee will be collected on all sales of Registered and Certified classes for seed purposes.

| County | Name, Address | Telephone | Class | Acres |
|--------------|------------------------------|---------------|-------|------------|
| Brown | LW Sales, Inc., Groton | (605)397-8111 | C | 65 |
| Brown | Sumption Farms, Frederick | (605)380-1016 | C | 155 |
| Gregory | Lance Matucha, Burke | (605)830-7810 | C | 26 |
| Hamlin | Roger M. Smith, Hazel | (605)520-0617 | C | 37 |
| Lake | Mustang Seeds, Inc., Madison | (605)256-6529 | C | 165 |
| TOTAL | | | | 448 |

JERRY—Jerry oats was developed by the North Dakota Agricultural Experiment Station and released in March of 1994. The line was tested as ND870952. The pedigree of Jerry is Valley/3/RL3038/Kelsey//M22/Kelsey. Jerry is similar to Newdak in heading date and height and has good lodging resistance. Jerry has white hulls, which are fluorescent under UV light. Kernels have high test weight, groat percent and whole oat protein, but are not as high as Hytest in ND tests. Disease resistance ratings are moderately susceptible for barley yellow dwarf virus (BYDV), smut and stem rust. Jerry is susceptible to crown rust. The variety has medium high protein.

| County | Name, Address | Telephone | Class | Acres |
|--------------|---------------------------|---------------|-------|------------|
| Charles Mix | Van Dusseldorp Ag, Platte | (605)337-3052 | R | 135 |
| Day | Darwin Peckham, Bristol | (605)228-9001 | R | 414 |
| Jones | Raymond Roghair, Okaton | (605)669-2248 | C | 25 |
| TOTAL | | | | 574 |

NATTY—Natty oat is a white-hulled, spring oat developed by the South Dakota Agricultural Experiment Station (SDAES) and released in 2015. The line was tested as SD111779 and was developed with the pedigree SD020701/SD030888/ND030349. Natty is an early maturing variety, heading about 1 day later than Shelby 427. Natty is about 1 inch taller than Shelby 427 with similar lodging resistance. Natty has good yield potential and high test weight. Natty is resistant to smut. The variety is moderately susceptible to stem rust, crown rust and BYDV. Natty is protected under the Plant Variety Protection Act with the Title V certification option. A royalty fee will be collected on all sales of Certified seed. There will be no saleable registered class of seed.

| County | Name, Address | Telephone | Class | Acres |
|--------------|--------------------------------------|---------------|-------|------------|
| Brule | Thiry Feedlot, Inc. (Ed), White Lake | (605)249-2777 | C | 140 |
| TOTAL | | | | 140 |

NEWBURG—Newburg oat was developed by the North Dakota Agricultural Experiment Station (NDAES) and released in 2011. Newburg was tested as ND030365. Newburg is medium in maturity. The variety has a test weight similar to Souris. Newburg has good seed size, high groat percentage and has white hulls. Protein percent is similar to Souris. Newburg is approximately 7" taller than Souris with medium straw strength. The variety is moderately susceptible to red leaf. Newburg is resistant to stem rust, but is susceptible to smut and crown rust. Newburg is protected under the U.S Plant Variety Protection Act. A license is required to produce and sell Newburg oats.

| County | Name, Address | Telephone | Class | Acres |
|--------------|------------------------------|---------------|-------|-----------|
| Lake | Mustang Seeds, Inc., Madison | (605)256-6529 | C | 95 |
| TOTAL | | | | 95 |

SADDLE—Saddle oat is a white-hulled, spring oat developed by the South Dakota Agricultural Experiment Station (SDAES) and released in 2018. The line was tested as SD120296 with the pedigree of Saber/SD060130. Saddle is an early maturing line, heading about 1 day earlier than Natty. Saddle is 1 inch taller than Horsepower. Saddle has high yield potential and average test weight. Saddle is resistant to smut and moderately resistant to BYDV. The variety is resistant to crown rust, but is susceptible to stem rust. Lodging resistance is excellent. Application for Plant Variety Protection with the Title V certification option is anticipated. A royalty fee will be collected on all sales of Certified seed. There will be no saleable registered class of seed.

| County | Name, Address | Telephone | Class | Acres |
|--------------|-----------------------------------|---------------|-------|------------|
| Brookings | Foundation Seed Stocks, Brookings | (605)688-5418 | F | 45 |
| Campbell | Evan Salverson, Mound City | (605)848-0009 | C | 130 |
| Clark | Fuller Farms, Henry | (605)532-5708 | C | 19 |
| Clay | SE Research Farm, Beresford | (605)563-2989 | C | 31 |
| Day | Hansmeier & Son, Inc., Bristol | (605)492-3611 | C | 82 |
| Deuel | Cody Eastman, Brandt | (605)690-8891 | C | 40 |
| Deuel | Joe Uckert, Clear Lake | (605)874-2529 | C | 20 |
| Gregory | Bob Beck, Dallas | (605)830-9687 | C | 34 |
| Tripp | Ken Beck, Dallas | (605)830-2066 | C | 30 |
| TOTAL | | | | 431 |

SHELBY 427—Shelby 427 oat is a white-hulled, spring oat developed by the South Dakota Agricultural Experiment Station (SDAES) and released in 2010. The line was tested as SD031128-330 and resulted from the cross SD99674/ND960851. Shelby 427 is an early maturing variety, one-two days earlier than Colt. In 2009 SDSU CPT trials, Shelby 427 was 4 inches taller than Colt and equal in height to Jerry. When compared to other early varieties, Shelby 427 has superior grain yield and test weight. Shelby 427 is susceptible to crown rust. The variety is moderately resistant to smut, and is moderately susceptible to stem rust and BYDV. Lodging resistance is better than Jerry and Colt. Kernels have a high groat percentage. Shelby 427 has Plant Variety Protection with the Title V certification option. Shelby 427 will not have a saleable registered class. A royalty fee will be collected on all sales of Certified seed.

| County | Name, Address | Telephone | Class | Acres |
|--------------|-----------------------------------|---------------|-------|------------|
| Brookings | Foundation Seed Stocks, Brookings | (605)688-5418 | F | 19 |
| Deuel | Mark Buschenfeld, Toronto | (605)690-6773 | C | 90 |
| Lake | Mustang Seeds, Inc., Madison | (605)256-6529 | C | 360 |
| TOTAL | | | | 469 |

WARRIOR—Warrior oat is a white-hulled, spring oat developed by the South Dakota Agricultural Experiment Station (SDAES) and released in 2018. The line was tested as SD120419 with the pedigree of SD041405/SD060130. Warrior is a medium maturing line, heading about 1 day later than Horsepower. Warrior is 2" taller than Horsepower. Warrior has high yield potential and average test weight. Warrior is moderately resistant to smut and moderately susceptible to BYDV. The variety is resistant to crown rust. Lodging resistance is excellent. Application for Plant Variety Protection with the Title V certification option is anticipated. A royalty fee will be collected on all sales of Certified seed. There will be no saleable registered class of seed.

| County | Name, Address | Telephone | Class | Acres |
|--------------|-----------------------------------|---------------|-------|------------|
| Aurora | Joe Bosworth, White Lake | (605)680-2462 | C | 90 |
| Brookings | Foundation Seed Stocks, Brookings | (605)688-5418 | F | 70 |
| Codington | Discount Seeds, Inc., Watertown | (605)886-5888 | C | 80 |
| Day | Hansmeier & Son, Inc., Bristol | (605)492-3611 | C | 90 |
| Day | Horter Farms, Andover | (605)216-4852 | C | 139 |
| Gregory | Lance Matucha, Burke | (605)830-7810 | C | 14 |
| Gregory | Dean Norberg, Burke | (605)830-2062 | C | 55 |
| Gregory | Ray or Ted Stevicks, Burke | (605)830-0270 | C | 18 |
| McCook | Cordell S. Hofer, Salem | (605)660-1582 | C | 53 |
| Roberts | Koeppel Seeds, Claire City | (605)652-4529 | C | 40 |
| Stanley | Sioux Nation, LLC, Ft. Pierre | (605)223-2427 | C | 40 |
| TOTAL | | | | 689 |

RYE

ND DYLAN—ND Dylan rye, tested as DR02, was developed by the North Dakota Agricultural Experiment Station and released in the fall 2016 by the NDSU Research Foundation. ND Dylan resulted from an open pollinated selection in a composite cross of several commercial winter rye varieties. The composite population originated from the commercial varieties: Musketeer, Prima, AC Rifle, Warko, Rymin, Hancock and Spooner. ND Dylan is very winter hardy. It is a tall variety, 2.5 inches taller than Rymin and 2 inches taller than Dacold. ND Dylan reaches heading one day later than Rymin and six days earlier than Dacold. It has good lodging resistance and good test weight. ND Dylan is susceptible to stem rust. ND Dylan is protected under the U.S. Plant Variety Protection Act with the Title V certification option.

| County | Name, Address | Telephone | Class | Acres |
|--------------|---------------------------------|---------------|-------|------------|
| Bon Homme | Mark Misar, Scotland | (605)661-1094 | C | 15 |
| Brown | LW Sales, Inc., Groton | (605)397-8111 | C | 180 |
| Codington | Discount Seeds, Inc., Watertown | (605)886-5888 | C | 403 |
| Day | Darwin Peckham, Bristol | (605)228-9001 | C | 100 |
| Roberts | Koeppel Seeds, Claire City | (605)652-4529 | R | 45 |
| TOTAL | | | | 743 |

SOYBEANS

BROOKINGS—Brookings soybean was developed by the South Dakota Agricultural Experiment Station (SDAES) and released in 2012. Brookings was tested as SD05-240 and resulted from the cross A00-71163/SD98-595. Brookings is a conventional variety having the Rps1-k gene for Phytophthora root rot resistance. Brookings is purple-flowered with gray pubescence and tan pods at maturity. Seed coat is yellow and the hila are buff. Relative maturity is rated at a 1.7. Brookings has

good emergence and quality scores. It is similar in protein to Deuel and 0.3% lower in oil content. The shattering scores for Brookings are also excellent. Lodging resistance is good. Seed size is larger than average with a plant height equal to MN1410.

| County | Name, Address | Telephone | Class | Acres |
|--------------|-----------------------------------|--------------------|-------|------------|
| Beadle | Jason Guenhagen, DeSmet | (605)860-9959..... | C | 100 |
| Brookings | Foundation Seed Stocks, Brookings | (605)688-5418 | F | 15 |
| TOTAL | | | | 115 |

CODINGTON—Codington soybean was developed by the South Dakota Agricultural Experiment Station (SDAES) and released in 2013. Codington was tested as SD04CV-611 and resulted from the cross Surge/A96-591033. Codington is a conventional variety. Codington is purple-flowered with tawny pubescence at maturity. Seed coat color is yellow and the hila are black. Relative maturity is rated at a 0.9, two days later than Surge. Codington has high protein content and average oil percentage. Lodging resistance is better than Surge. Seed size is larger than average with a plant height 1-2 inches taller than Surge. The variety may have up to 1.0% variants for hila color..

| County | Name, Address | Telephone | Class | Acres |
|--------------|-----------------------------------|--------------------|-------|------------|
| Brookings | Foundation Seed Stocks, Brookings | (605)688-5418..... | F | 15 |
| Day | Hansmeier & Son, Inc., Bristol | (605)492-3611..... | R | 120 |
| TOTAL | | | | 135 |

TRITICALE

841446398— 841446398 is a mid-tall, awnletted, winter triticale developed by Northern Agri-Brands LLC. The line was tested as RSI 204719. 841446398 was released in 2017. Plant color at boot stage is blue-green. The flag leaf is not twisted, erect and waxy. Spikelets are yellow in color when mature, dense with oblong shape. Seed is elliptical, slightly wrinkled, amber colored with mid-long brush length. The variety has excellent lodging resistance. Foundation, Registered and Certified classes are recognized beyond Breeder seed which is maintained by Northern Agri-Brands LLC. The variety is sold under the Brand Flex 719. The variety is protected under the Plant Variety Protection Act.

Note to inspectors: A bearded variant has been identified at less than 1%.

| County | Name, Address | Telephone | Class | Acres |
|--------------|----------------------|--------------------|-------|------------|
| Tripp | Tritle Farms, Winner | (605)840-4332..... | C | 178 |
| Tripp | Tritle Farms, Winner | (605)840-4332..... | R | 25 |
| TOTAL | | | | 203 |

HARD RED SPRING WHEAT

AMBUSH—Ambush is a hard red spring wheat bred and developed by Syngenta Seeds, Inc. - AgriPro of Berthoud, Colorado and released in 2016. The variety was tested as 05S0157-4. It is a standard semi-dwarf variety, similar to SY Ingmar in height. Ambush is resistant to stem rust and moderately resistant to leaf rust. Ambush is moderately susceptible to Fusarium head blight. The variety has a juvenile growth habit that is erect. Plant color at boot stage is green. Flag leaf at boot stage is erect and twisted. Head shape is tapering and awned. Test weight and protein are above average, with acceptable baking qualities. Dyna Gro has been given exclusive marketing rights to this variety.

| County | Name, Address | Telephone | Class | Acres |
|--------------|----------------------------------|-------------------|-------|------------|
| Spink | Nutrien Ag Solutions, Northville | (605)887-3422.... | C | 285 |
| Spink | Nutrien Ag Solutions, Northville | (605)887-3422.... | R | 94 |
| TOTAL | | | | 379 |

BOLLES—Bolles hard red spring wheat was developed and released by the University of Minnesota in 2015. The variety, tested as MN08165-8, is an early, awned, semi-dwarf. The heading date of Bolles is a day later than Prosper. It is average height with moderately strong straw. It has average test weight and excellent protein. Bolles is moderately susceptible to scab and stripe rust. It is resistant to prevalent races of leaf rust. Bolles has high baking quality. Released by the Minnesota Agricultural Experiment Station, a research fee will be assessed on seed sold. Bolles is protected under the Plant Variety Protection Act with the Title V certification option.

| County | Name, Address | Telephone | Class | Acres |
|--------------|-------------------------|---------------------|-------|------------|
| McPherson | Dennis Wolff, Long Lake | (605)380-5477 | C | 295 |
| TOTAL | | | | 295 |

BOOST—Boost hard red spring wheat was developed by the South Dakota Agricultural Experiment Station (SDAES) and released in 2016. The variety was tested as SD4299 and was derived from the cross SD3900//FN1705-146/Brick. Boost is a semi-dwarf variety, slightly shorter than Prevail. Boost has similar straw strength when compared to Forefront. Boost is a late maturing variety, five days later than Prevail. The variety has resistance to Bacterial Leaf Streak. Boost is moderately resistant to leaf rust. The variety is moderately susceptible scab and susceptible to stripe rust. Boost has adequate milling and baking characteristics, with high protein. Test weight is average and height is an inch shorter than Prevail. Boost is protected under the Plant Variety Protection Act with the Title V certification option. A royalty fee will be collected on all sales of Registered and Certified classes for seed purposes..

| County | Name, Address | Telephone | Class | Acres |
|--------------|-------------------------------------|---------------------|-------|------------|
| Campbell | Evan Salverson, Mound City | (605)848-0009 | R | 35 |
| Corson | Howe Seeds, Inc., McLaughlin | (605)823-4892..... | C | 408 |
| Roberts | Koeppel Seeds, Claire City | (605)652-4529 | R | 50 |
| Spink | Rahm Seed Cleaning (Curtis), Turton | (605)887-7300..... | C | 75 |
| TOTAL | | | | 568 |

FOCUS—Focus hard red spring wheat was developed by the South Dakota Agricultural Experiment Station (SDAES) and released in 2015. The variety was tested as SD4362 and was derived from the cross SD3943-21/Brick. Focus is a semi-dwarf variety, slightly taller than Brick with similar straw strength. Focus is an early maturing variety, one day later than Brick, and similar to Select. Focus is susceptible to stripe rust. The variety is resistant to leaf rust. Focus is moderately resistant to Fusarium head blight. Focus has adequate milling and baking characteristics, with exceptional test weight and average protein, similar to Brick and Select. Focus is protected under the Plant Variety Protection Act with the Title V certification option. A royalty fee will be collected on all sales of Registered and Certified classes for seed purposes.

| County | Name, Address | Telephone | Class | Acres |
|--------------|-------------------------------|---------------------|-------|------------|
| Campbell | Mark & Paul Weisbeck, Herried | (605)437-2963.... | C | 102 |
| Jones | Paul Patterson, Draper | (605)669-2647 | C | 208 |
| TOTAL | | | | 310 |

LANG-MN—Lang-MN hard red spring wheat was developed and released by the University of Minnesota in 2017. The variety, tested as MN10261-1, was derived from the cross of Glenn/Sabin. Lang-MN was named after Ben Lang, a long time (35 years) field inspector and past CEO of MCIA. The heading date of Lang-MN is equal to Boost and Faller. It is average height, equal to Faller and Prevail. Lang-MN is resistant to leaf rust and stem rust. It is moderately resistant to Fusarium Head Blight. Lang-MN is moderately susceptible to stripe rust. The head is tapering, mid-dense and inclined. Glume shoulders are oblique and are medium in width. The head is awned and white at maturity. The seed shape is ovate, with angular cheeks and medium brush length. It has above average test weight and is equal to Boost in protein content. Released by the Minnesota Agricultural Experiment Station, a research fee will be assessed on seed sold of Lang-MN. Lang-MN is protected under the Plant Variety Protection Act with the Title V certification option.

| County | Name, Address | Telephone | Class | Acres |
|----------|-------------------------------------|---------------|-------|-------|
| Brown | Abeln Farm, Inc., Groton | (605)397-8113 | C | 125 |
| Campbell | Evan Salverson, Mound City | (605)848-0009 | R | 35 |
| Campbell | Weisbeck & Sons, Herried | (605)437-2963 | C | 138 |
| Corson | Howe Seeds, Inc., McLaughlin | (605)823-4892 | C | 480 |
| Day | Hansmeier & Son, Inc., Bristol | (605)492-3611 | C | 279 |
| Day | Hansmeier & Son, Inc., Bristol | (605)492-3611 | R | 400 |
| Deuel | K & K Farms, Inc., Clear Lake | (605)874-2322 | R | 35 |
| Edmunds | Eisenbeisz Farms, Bowdle | (605)285-6738 | C | 514 |
| Edmunds | Eisenbeisz Farms, Bowdle | (605)285-6738 | R | 55 |
| Hand | Nelson's HB Seed, Miller | (605)853-3025 | C | 333 |
| Hand | Nelson's HB Seed, Miller | (605)853-3025 | R | 55 |
| Potter | REH Farms, Inc., Gettysburg | (605)765-9552 | C | 370 |
| Potter | REH Farms, Inc., Gettysburg | (605)765-9552 | R | 24 |
| Spink | Jim Klebsch, Redfield | (605)472-3134 | C | 150 |
| Spink | Rahm Seed Cleaning (Curtis), Turton | (605)887-7300 | C | 140 |
| Sully | Wittler Farms, Agar | (605)258-2431 | C | 541 |
| Walworth | Fiedler Farms, Inc., Selby | (605)649-6280 | C | 672 |
| Walworth | Jeff Frey, Mobridge | (605)762-3326 | C | 208 |
| Walworth | Jeff Frey, Mobridge | (605)762-3326 | R | 78 |

TOTAL 4632

LCS REBEL—LCS Rebel hard red spring wheat was developed by and released by Limagrain Cereal Seeds in 2017. The variety was tested as LNR13-0594. LCS Rebel is an awned variety, with late maturity. It is a medium height, semi-dwarf variety. The flag leaf at boot stage is erect, twisted with waxy bloom. The mid-dense, tapering head is inclined and white in color at maturity. LCS Rebel has good protein and excellent test weight. The variety has acceptable bread making quality. The certified classes of seed shall be Foundation, Registered and Certified. LCS Rebel is protected under the Plant Variety Protection Act.

| County | Name, Address | Telephone | Class | Acres |
|------------|--------------------------|---------------|-------|-------|
| Brown | Abeln Farm, Inc., Groton | (605)397-8113 | C | |
| Pennington | Scot Eisenbraun, Wall | (605)279-2629 | C | |
| Sully | Ken Barber, Onida | (605)258-2708 | C | |
| Sully | Ken Barber, Onida | (605)258-2708 | R | |

LCS TRIGGER—LCS Trigger is a hard red spring wheat developed by Limagrain Cereal Seeds. The variety was tested as LNR-10200 and released in 2016. It is an awned variety, with late maturity. It is a tall variety. The flag leaf at boot stage is erect, twisted, wax absent. The mid-dense, oblong head is erect and white/amber in color at maturity. LCS Trigger is resistant to stem and leaf rust. The variety is moderately susceptible to stripe rust and scab. The certified classes of seed shall be Foundation, Registered and Certified. LCS Trigger is protected under the Plant Variety Protection Act.

| County | Name, Address | Telephone | Class | Acres |
|------------|----------------------------------|---------------|-------|-------|
| Brown | Abeln Farm, Inc., Groton | (605)397-8113 | C | |
| Day | Kuecker Seed Farm, Inc., Webster | (605)345-3169 | C | |
| Pennington | Tyrel Eisenbraun, Wall | (605)685-3686 | C | |
| Spink | Jim Klebsch, Redfield | (605)472-3134 | C | |
| Sully | Ken Barber, Onida | (605)258-2708 | C | |
| Sully | Ken Barber, Onida | (605)258-2708 | R | |
| Walworth | Fiedler Farms, Inc., Selby | (605)649-6280 | C | |

LINKERT—Linkert hard red spring wheat was developed and released by the University of Minnesota in 2013. The variety, tested as MN06028, is an early semi-dwarf. The pedigree of Linkert is MN97695/Ada. The heading date of Linkert is similar to Focus. It is short for height with very strong straw. It has average test weight and good protein. Linkert is moderately susceptible to Fusarium head blight and stripe rust. It is resistant to leaf rust. Released by the Minnesota Agricultural Experiment Station, a variety development fee will be assessed on seed sold. Linkert is protected under the Plant Variety Protection Act with the Title V certification option.

| County | Name, Address | Telephone | Class | Acres |
|----------|----------------------------|---------------|--------------|-----------|
| Campbell | Evan Salverson, Mound City | (605)848-0009 | R | 35 |
| | | | TOTAL | 35 |

PREVAIL—Prevail hard red spring wheat was developed by the South Dakota Agricultural Experiment Station (SDAES) and released in 2013. The variety was tested as SD4178 and was developed from the population SD3720/MN98389-A. Prevail is a semi-dwarf variety, similar in height to Advance. Prevail is an early maturing variety, similar to Advance, and two days earlier than Forefront. The variety is moderately resistant to stem rust, stripe rust and Fusarium head blight. Prevail is moderately susceptible to leaf rust. Prevail has adequate milling and baking characteristics, with good test weight and average protein. Prevail is protected under the Plant Variety Protection Act with the Title V certification option. A royalty fee will be collected on all sales of Registered and Certified classes for seed purposes.

| County | Name, Address | Telephone | Class | Acres |
|-----------|-----------------------------------|---------------|-------|-------|
| Brookings | Foundation Seed Stocks, Brookings | (605)688-5418 | F | 20 |
| Brown | Locken Farms, Bath | (605)380-2264 | C | 346 |
| Codington | Discount Seeds, Inc., Watertown | (605)886-5888 | C | 160 |
| Codington | Discount Seeds, Inc., Watertown | (605)886-5888 | R | 160 |
| Codington | Thyen Farms, Watertown | (605)520-8159 | C | 246 |
| Day | Bisgard Farms, Waubay | (605)881-3385 | C | 128 |
| Day | Horter Farms, Andover | (605)216-4852 | C | 310 |

| | | | |
|--------------|---|---|-------------|
| Day | Kuecker Seed Farm, Inc., Webster (605)345-3169..... | C | 291 |
| Day | Storley Farms, Roslyn (605)881-5843..... | C | 75 |
| Dewey | Alan Biegler, Timber Lake (605)865-3231..... | C | 300 |
| Edmunds | Eisenbeisz Farms, Bowdle (605)285-6738..... | C | 297 |
| Jerauld | MPM Certified Seed, Wess Springs (605)770-9679..... | C | 461 |
| Lyman | Herman Agri, Inc., Presho (605)869-2305..... | C | 148 |
| Marshall | Moeckly Elevator, Inc., Britton (605)448-2212..... | C | 130 |
| Pennington | Bielmaier Farms, Wall (605)279-2841..... | R | 39 |
| Potter | REH Farms, Inc., Gettysburg (605)765-9552..... | C | 100 |
| Potter | REH Farms, Inc., Gettysburg (605)765-9552..... | R | 25 |
| Roberts | Koeppel Seeds, Claire City (605)652-4529..... | C | 80 |
| Spink | Jim Klebsch, Redfield (605)472-3134..... | C | 120 |
| Spink | Rahm Seed Cleaning (Curtis), Turton (605)887-7300..... | C | 120 |
| Sully | Wittler Farms, Agar (605)258-2431..... | R | 60 |
| Tripp | Jorgensen Land & Cattle, Ideal (605)842-3217.... | C | 275 |
| Tripp | Jorgensen Land & Cattle, Ideal (605)842-3217.... | R | 22 |
| Walworth | Jeff Frey, Mobridge (605)762-3326..... | C | 228 |
| Walworth | Jeff Frey, Mobridge (605)762-3326..... | R | 85 |
| TOTAL | | | 4226 |

SURPASS—Surpass hard red spring wheat was developed by the South Dakota Agricultural Experiment Station (SDAES) and released in 2016. The variety was tested as SD4383 and was derived from the cross SD4011/3942. Surpass is a semi-dwarf variety, slightly shorter than Prevail. Surpass has similar straw strength when compared to Focus. Surpass is an early maturing variety, one day earlier than Prevail, and similar to Forefront. The variety is moderately resistant to Bacterial Leaf Streak. Surpass is moderately resistant to Fusarium head blight. It is moderately susceptible to leaf rust and susceptible to stripe rust. Surpass has adequate milling and baking characteristics, with average protein. Test weight is similar to Prevail. Application to the Plant Variety Protection office has been made with the Title V certification option. A royalty fee will be collected on all sales of Registered and Certified classes for seed purposes.

| County | Name, Address Telephone | Class | Acres |
|--------------|--|-------|-------|
| Brown | Jim Fischbach Farm, Inc., Warner (605)887-3269..... | C | 70 |
| Brown | Locken Farms, Bath (605)380-2264..... | C | 234 |
| Campbell | Evan Salverson, Mound City (605)848-0009..... | C | 100 |
| Campbell | Weisbeck & Sons, Herried (605)437-2963..... | C | 126 |
| Clark Larson | Seed Farm, Clark (605)532-5557..... | C | 203 |
| Codington | Thyen Farms, Watertown (605)520-8159..... | C | 187 |
| Codington | Thyen Farms, Watertown (605)520-8159..... | R | 22 |
| Corson | Howe Seeds, Inc., McLaughlin (605)823-4892..... | C | 311 |
| Day | Kuecker Kountry Farms, Webster (605)345-4601..... | C | 358 |
| Day | Kuecker Seed Farm, Inc., Webster (605)345-3169..... | C | 270 |
| Day | Storley Farms, Roslyn (605)881-5843..... | C | 80 |
| Edmunds | Eisenbeisz Farms, Bowdle (605)285-6738..... | C | 490 |
| Hughes | Bollweg Farms (Michael), Harrold (605)875-3440..... | C | 151 |
| Hyde | Jeff Ellsworth, Highmore (605)870-1421..... | C | 185 |
| Jones | Rankin & Sons, Inc., Draper (605)669-2511..... | C | 597 |
| Pennington | Bielmaier Farms, Wall (605)279-2841..... | C | 114 |
| Potter | REH Farms, Inc., Gettysburg (605)765-9552..... | R | 25 |

| | | | |
|--------------|---|---|-------------|
| Spink | Anthony L. Lyren, Conde (605)897-7732..... | C | 132 |
| Spink | Rahm Seed Cleaning (Curtis), Turton (605)887-7300..... | C | 115 |
| Tripp | Jorgensen Land & Cattle, Ideal (605)842-3217.... | C | 196 |
| Tripp | Jorgensen Land & Cattle, Ideal (605)842-3217.... | R | 22 |
| Walworth | Jeff Frey, Mobridge (605)762-3326..... | C | 205 |
| Walworth | Jeff Frey, Mobridge (605)762-3326..... | R | 99 |
| Walworth | Gery Giese, Selby (605)649-7832..... | C | 75 |
| Walworth | Gery Giese, Selby (605)649-7832..... | R | 25 |
| TOTAL | | | 4392 |

SY INGMAR—SY Ingmar is a hard red spring wheat bred and developed by Syngenta Seeds, Inc. - AgriPro of Berthoud, Colorado and released in 2014. The variety was tested as 04S0258-12. It is a standard semi-dwarf variety. Straw strength is very good. SY Ingmar is resistant to stem rust and leaf rust. It is moderately resistant to scab and is susceptible to stripe rust. The variety has a juvenile growth habit that is erect. Plant color at boot stage is green. Flag leaf at boot stage is recurved and twisted. Head shape is mid-dense, tapering and inclined. Overall bread making characteristics are very good. SY Ingmar is protected under the Plant Variety Protection Act with the Title V certification option.

| County | Name, Address Telephone | Class | Acres |
|-----------|--|-------|-------|
| Day | Kuecker Seed Farm, Inc., Webster (605)345-3169..... | C | |
| Day | Warrington Seeds, Bristol (605)492-3500..... | C | |
| Deuel | Cody Eastman, Brandt (605)690-8891..... | C | |
| Kingsbury | Midstate Agronomy, DeSmet (605)854-9282..... | C | |
| Spink | Nutrien Ag Solutions, Northville (605)887-3422..... | C | |
| Spink | Nutrien Ag Solutions, Northville (605)887-3422.... | R | |
| Sully | Wittler Farms, Agar (605)258-2431..... | C | |
| Sully | Wittler Farms, Agar (605)258-2431..... | R | |

SY RUSTLER—SY Rustler is a hard red spring wheat bred and developed by Syngenta Seeds, Inc. - AgriPro of Berthoud, Colorado and released in 2016. The variety was tested as 05S0242-6. It is a short semi-dwarf variety, similar to SY Rowyn in height. SY Rustler is moderately resistant to stem rust and Fusarium head blight. SY Rustler is resistant to leaf rust and moderately susceptible to stripe rust. The variety has a juvenile growth habit that is erect. Plant color at boot stage is green. Flag leaf at boot stage is recurved and twisted. Head shape is tapering and awned. Test weight and protein are average, with acceptable baking qualities. The certified classes of seed shall be Foundation, Registered and Certified. SY Rustler is protected under the Plant Variety Protection Act with the Title V certification option.

| County | Name, Address Telephone | Class | Acres |
|----------|--|-------|-------|
| Day | Kuecker Seed Farm, Inc., Webster (605)345-3169..... | C | |
| Hand | Nelson's HB Seed, Miller (605)853-3025..... | R | |
| Walworth | Stiegelmeier Farms, Selby (605)845-6034..... | C | |

SY VALDA—SY Valda is a hard red spring wheat bred and developed by Syngenta Seeds, Inc. - AgriPro of Berthoud, Colorado and released in 2015. The variety was tested as 06S0385-5. It is a standard semi-dwarf variety. SY Valda is moderately resistant to scab. It is resistant to leaf rust and stem rust. SY Valda is susceptible to stripe rust. The variety has a juvenile growth habit that is erect. Plant color at boot stage

is green. Flag leaf at boot stage is recurved, twisted and wax absent. Head shape is tapering, with lax density and inclined curvature. The certified classes of seed shall be Foundation, Registered and Certified. SY Valda is protected under the Plant Variety Protection Act with the Title V certification option.

| County | Name, Address | Telephone | Class | Acres |
|----------|---|--------------------|-------|-------|
| Day | Kuecker Seed Farm, Inc., Webster | (605)345-3169..... | C | |
| Day | Kuecker Seed Farm, Inc., Webster | (605)345-3169..... | R | |
| Day | Warrington Seeds, Bristol | (605)492-3500..... | C | |
| Roberts | Koeppe Seeds, Claire City | (605)652-4529..... | C | |
| Spink | Nutrien Ag Solutions, Northville | (605)887-3422.... | C | |
| Stanley | Sioux Nation of Fort Pierre, Ft. Pierre | (605)223-2427..... | C | |
| Stanley | Sioux Nation of Fort Pierre, Ft. Pierre | (605)223-2427..... | R | |
| Sully | Wittler Farms, Agar | (605)258-2431..... | C | |
| Sully | Wittler Farms, Agar | (605)258-2431..... | R | |
| Walworth | Stiegelmeier Farms, Selby | (605)845-6034..... | C | |

WB9479—WB9479 is a hard red spring wheat, bred and developed by Monsanto LLC in 2017. It will be marketed in the Northern Plains region of the U.S. as a WestBred branded variety. The variety was tested as FA9S10-0038R. WB9479 is a medium-late maturing variety. WB9479 is an awned, semi-dwarf variety with lax, erect, tapered shaped spikes. The glumes are white/amber in color at maturity. The certified classes of seed shall be Foundation, Registered and Certified. WB9479 is protected under the Plant Variety Protection Act.

| County | Name, Address | Telephone | Class | Acres |
|--------|-------------------------------|--------------------|-------|-------|
| Deuel | K & K Farms, Inc., Clear Lake | (605)874-2322..... | C | |

WB9590—WB9590 is a hard red spring wheat, bred and developed by Monsanto Technology, LLC in 2017. It will be marketed in the Northern Plains region of the U.S. as a WestBred branded variety. The variety was tested as F9N12-0151. WB9590 is an early maturing variety. WB9590 is an awned, semi-dwarf variety with lax, inclined, tapered shaped spikes. The glumes are white/amber in color at maturity. WB9590 is susceptible to stripe rust, moderately resistant to leaf rust and moderately susceptible to scab. The certified classes of seed shall be Foundation, Registered and Certified. WB9590 is protected under the Plant Variety Protection Act.

| County | Name, Address | Telephone | Class | Acres |
|----------|-------------------------------|--------------------|-------|-------|
| Deuel | K & K Farms, Inc., Clear Lake | (605)874-2322..... | C | |
| Walworth | Stiegelmeier Farms, Selby | (605)845-6034..... | C | |

WB9719—WB9719 is a hard red spring wheat, bred and developed by Monsanto Technology, LLC in 2017. It will be marketed in the Northern Plains region of the U.S. as a WestBred branded variety. The variety was tested as F9N12-0153. WB9719 is a medium maturing variety. WB9719 is an awned, semi-dwarf variety with lax, inclined, tapered shaped spikes. The glumes are white/amber in color at maturity. WB9719 is susceptible to stripe rust, moderately resistant to leaf rust and moderately susceptible to scab. The certified classes of seed shall be Foundation, Registered and Certified. WB9719 is protected under

the Plant Variety Protection Act..

| County | Name, Address | Telephone | Class | Acres |
|----------|-----------------------------|--------------------|-------|-------|
| Jones | Rankin & Sons, Inc., Draper | (605)669-2511..... | C | |
| Walworth | Stiegelmeier Farms, Selby | (605)845-6034..... | C | |

WB-PATRON—WB-Patron is a hard red spring wheat, bred and developed by WestBred, LLC and released in 2012. WB-Patron was tested as YU908-017, and is an early maturing forage wheat variety. WB-Patron is an awnleted, semi-dwarf variety with lax, inclined, tapered shaped spikes. The glumes are white/amber in color, shoulders are rounded and the beak is acuminate. WB-Patron is moderately resistant to stripe rust. The certified classes of seed shall be Foundation, Registered and Certified. WB-Patron is protected under the Plant Variety Protection Act (PVP-94).

| County | Name, Address | Telephone | Class | Acres |
|----------|---------------------------|--------------------|-------|-------|
| Walworth | Stiegelmeier Farms, Selby | (605)845-6034..... | C | |

HARD RED WINTER WHEAT

AP503 CL2—AP503 CL2 is a hard red winter wheat bred and developed by AgriPro Wheat. It contains Als-1(653) and Als-3(653) genes conferring tolerance to the BASF herbicides 'Beyond' or 'ClearMax'. It is most similar to the variety 'Jagalene', which is one of the parents in the cross. Juvenile growth habit is semi-erect. Plant color at boot stage is blue green. Auricle anthocyanin and auricle hairs are present. Flag leaf at boot stage is erect and twisted. Waxy bloom is present on the head, stem and flag leaf sheath. Anther color is yellow. Head shape is strap and awned. Glumes are glabrous, narrow in width and long in length with oblique shoulders and acuminate beaks. Seed shape is ovate. Brush hairs are medium in size. Seed crease depth is shallow and width is narrow. Seed cheeks are rounded. AP503 CL2 has medium maturity with white chaff color. It is a semi-dwarf with excellent straw strength. It is moderately resistant to stem rust and moderately susceptible to stripe rust. AP503 CL is susceptible to leaf rust. Its winterhardiness levels have been intermediate, similar to Jagalene. In the more northern areas, it is recommended for stubble planting only. AgriPro Wheat maintains seed stock and certified classes of foundation, registered and certified. AP503 CL2 is protected under the U.S. Plant Variety Protection Act with the Title V certification option.

| County | Name, Address | Telephone | Class | Acres |
|---------|---|--------------------|-------|-------|
| Lyman | Herman Agri Inc., Presho | (605)869-2305..... | C | |
| Lyman | Karlen Ranch Partnership, Reliance | (605)473-5605..... | C | |
| Stanley | Sioux Nation of Fort Pierre, Ft. Pierre | (605)223-2427..... | C | |
| Stanley | Sioux Nation of Fort Pierre, Ft. Pierre | (605)223-2427..... | R | |

EXPEDITION—Expedition hard red winter wheat was developed by the South Dakota Agricultural Experiment Station (SD AES) and released for seed increase in the fall of 2002. The official release date is March 1, 2003. The line was tested as SD97457 and was selected from the cross Tomahawk/Bennett. Expedition is an awned, white-chaffed, early maturing, semi-dwarf hard red winter wheat. Expedition is early maturing

similar to Jagger, and two days earlier than Wesley. Plant height is short, similar to Alliance and approximately three inches shorter than Harding. Winter hardiness is rated good-excellent similar to Harding. Coleoptile length is similar to Wesley, greater than Alliance but less than Nekota and Harding. Straw strength is rated fair similar to Arapahoe. Test weight is slightly better than Wesley, Harding and Alliance but lower than Nekota and Crimson. Expedition is rated resistant to prevalent races of stem rust, however, it is moderately susceptible to leaf rust. Expedition is susceptible to stripe rust and Wheat Streak Mosaic Virus. Expedition exhibits some tolerance to head scab but is susceptible to tan spot and Hessian fly and had an intermediate reaction to soil-borne mosaic virus. End-use characteristics are rated good. Recognized seed classes are Breeder, Foundation, Registered and Certified. Expedition is protected under the Plant Variety Protection Act with the Title V certification option.

| County | Name, Address | Telephone | Class | Acres |
|--------------|--------------------------------|--------------------|-------|------------|
| Buffalo | Brian & Steve Roduner, Miller | (605)293-3456..... | C | 80 |
| Day | Hansmeier & Son, Inc., Bristol | (605)492-3611..... | R | 260 |
| TOTAL | | | | 340 |

IDEAL—Ideal hard red winter wheat was developed by the South Dakota Agricultural Experiment Station (SD AES) and released in 2011 to seed producers by the developing institution. The line was tested as SD05118-1 and has the pedigree Wesley/NE93613. Ideal is white chaffed, awned, semi-dwarf wheat about 2 to 3 inches taller than Wesley. Ideal is a mid-maturity type, with maturity being about 2 days later than Wesley. Winter hardiness and resistance to lodging are also similar to Wesley. Ideal is moderately resistant to stem rust, leaf rust and tan spot. The variety is susceptible to stripe rust, BYDV and WSMV. Ideal exhibits excellent tolerance to acid soils and partial resistance to Hessian fly. Ideal has acceptable milling and good baking properties. Ideal is protected under the U.S. Plant Variety Protection Act with Title V certification option. A royalty fee will be collected on all sales of Registered and Certified classes for seed purposes.

| County | Name, Address | Telephone | Class | Acres |
|--------------|------------------------------------|--------------------|-------|------------|
| Campbell | Evan Salverson, Mound City | (605)848-0009..... | C | 160 |
| Haakon | Golden Willow Seeds, Inc., Midland | (605)843-2187..... | C | 113 |
| Tripp | Jorgensen Land & Cattle, Ideal | (605)842-3217.... | C | 395 |
| Tripp | Jorgensen Land & Cattle, Ideal | (605)842-3217.... | R | 26 |
| TOTAL | | | | 694 |

LCS CHROME—LCS Chrome hard red winter wheat was developed by Limagrain Cereal Seeds and released in 2016. The experimental line was tested as LCH13DH-20-87. LCS Chrome is a tan chaffed, awned, semi-dwarf wheat. The variety is short in height with early maturity. LCS Chrome has good lodging resistance. LCS Chrome is moderately resistant to stripe rust and leaf rust. It is susceptible to stem rust and WSMV. LCS Chrome has acceptable baking qualities and average test weight. The certified classes of seed shall be Foundation, Registered and Certified. LCS Chrome is protected under the Plant Variety Protection Act without the Title V certification option.

| County | Name, Address | Telephone | Class | Acres |
|--------|-------------------|--------------------|-------|-------|
| Sully | Ken Barber, Onida | (605)258-2708..... | C | |
| Sully | Ken Barber, Onida | (605)258-2708..... | R | |

LCS FUSION AX—LCS Fusion AX is a hard red winter wheat bred and developed by Colorado State University. Ownership of LCS Fusion AX was transferred to the Colorado Wheat Research Foundation and sub-licensed to Limagrain Cereal Seeds. The variety was released to seed producers in 2018. The variety was tested as CO14A058. LCS Fusion AX has tolerance to the herbicide quizalofop, allowing for control of winter annual grasses including feral rye. LCS Fusion has medium maturity with white chaff color. It is medium-tall with good straw strength. LCS Fusion AX has good test weight and average milling and bread making quality. Application for Plant Variety Protection with the Title V Certification option has been made for LCS Fusion AX.

| County | Name, Address | Telephone | Class | Acres |
|---------|----------------------------------|--------------------|-------|-------|
| Jerauld | MPM Certified Seed, Wess Springs | (605)770-9679..... | C | |
| Spink | Jim Klebsch, Redfield | (605)472-3134..... | C | |
| Sully | Ken Barber, Onida | (605)258-2708..... | C | |

LYMAN—Lyman hard red winter wheat was developed by the South Dakota Agricultural Experiment Station (SD AES) and released in 2008 to seed producers by the developing institution. The line was tested as SD00111-9 and resulted from the cross KS93U134/Arapahoe. Lyman is white chaffed, awned, semi-dwarf wheat. The variety is similar to Arapahoe in maturity (medium), height (medium) and winter hardiness, but has slightly less straw strength. Lyman is resistant to stem rust, and has the best scab resistance of any variety tested in the North Central Region. It is moderately resistant to leaf rust. Lyman is susceptible to stripe rust and wheat streak mosaic virus. In 2007 CPT trials, Lyman was first in grain yield and test weight. Lyman has excellent milling and acceptable baking properties. Lyman is protected under the Plant Variety Protection Act with the Title V certification option. A royalty fee will be collected on all sales of Registered and Certified classes for seed purposes.

| County | Name, Address | Telephone | Class | Acres |
|--------------|---------------------------|--------------------|-------|------------|
| Lyman | Herman Agri, Inc., Presho | (605)869-2305..... | C | 308 |
| Lyman | Drew Reuman, Presho | (605)280-5330..... | C | 70 |
| Tripp | Winner Seed, Winner | (605)842-0481..... | C | 39 |
| TOTAL | | | | 417 |

MTF-1435—MTF 1435 is a tall, medium-late maturing hard red winter wheat cultivar developed for forage and grain production by Montana State University in 2018. MTF 1435 is awnless and is targeted as a replacement for Willow Creek. The variety matures 5 days earlier than Willow Creek and has equal or better forage yield and quality. MTF 1435 is 4-5" shorter than Willow Creek and has better stripe rust resistance. Winter hardiness is good for MTF 1435, and has good standability scores when compared to Willow Creek. The grain had good overall end-use qualities. MTF is proposed for licensed release outside Montana based on improved seed yield in comparison to Willow Creek, at similar forage yield potential.

| County | Name, Address | Telephone | Class | Acres |
|--------------|---|--------------------|-------|------------|
| Charles Mix | Seed Exchange, Platte | (605)337-9882..... | R | 60 |
| Stanley | Sioux Nation of Fort Pierre, Ft. Pierre | (605)223-2427..... | R | 59 |
| TOTAL | | | | 119 |

OAHE—Oahe hard red winter wheat was developed by the South Dakota Agricultural Experiment Station (SD AES) and released in 2016 to seed producers by the developing institution. The line was tested as SD10257-2 and has the pedigree Ransom/SD96240-3-1. Oahe is white chaffed, awned, semi-dwarf wheat about 1 inch taller than Overland. Oahe is a mid-maturity type, with maturity being about 2 days later than Expedition. Winter hardiness and resistance to lodging are similar to Ideal. Oahe is moderately resistant to leaf rust, WSMV and Fusarium head blight. The variety is moderately susceptible to moderately resistant to stripe rust. Oahe has good test weight, average protein and baking properties. Application for Plant Variety Protection with the Title V certification option is anticipated. A royalty fee will be collected on all sales of Registered and Certified classes for seed purposes.

| County | Name, Address | Telephone | Class | Acres |
|--------------|---|---------------|-------|-------------|
| Bon Homme | Keith Rothschild, Scotland | (605)661-0487 | R | 22 |
| Davison | Nick or Jim Lorang, Mt. Vernon | (605)770-5794 | C | 149 |
| Davison | Wade Strand, Mitchell | (605)996-7533 | C | 37 |
| Day | Hansmeier & Son, Inc., Bristol | (605)492-3611 | C | 450 |
| Haakon | Golden Willow Seeds, Inc., Midland | (605)843-2187 | C | 260 |
| Haakon | Golden Willow Seeds, Inc., Midland | (605)843-2187 | R | 30 |
| Hand | Chris Howard Ranch, Miller | (605)204-0299 | C | 160 |
| Hand | Chris Howard Ranch, Miller | (605)204-0299 | R | 10 |
| Hand | Dale Resel, St. Lawrence | (605)853-2513 | C | 265 |
| Hanson | Glen Henglefeld, Alexandria | (605)227-4535 | C | 42 |
| Hughes | Bollweg Farms (Michael), Harrold | (605)875-3440 | C | 150 |
| Hyde | Jeff Ellsworth, Highmore | (605)870-1421 | C | 230 |
| Lyman | Drew Reuman, Presho | (605)280-5330 | C | 64 |
| Pennington | Bielmaier Farms, Wall | (605)279-2841 | C | 166 |
| Stanley | Sioux Nation of Fort Pierre, Ft. Pierre | (605)223-2427 | C | 360 |
| Sully | Ken Barber, Onida | (605)258-2708 | C | 160 |
| Sully | Wittler Farms, Agar | (605)258-2431 | C | 836 |
| Tripp | Jorgensen Land & Cattle, Ideal | (605)842-3217 | C | 235 |
| Tripp | Jorgensen Land & Cattle, Ideal | (605)842-3217 | R | 21 |
| TOTAL | | | | 3647 |

OVERLAND—Overland hard red winter wheat was developed cooperatively by the Nebraska Agricultural Experiment Station and the USDA-ARS and released in 2007 by the developing institutions and the South Dakota Agricultural Experiment Station. The line tested as NE01643 was selected from the cross Millennium sib//Seward/Archer. Overland is white chaffed, awned, tall semi-dwarf wheat. Overland matures about three days later than Wesley. Overland has good straw strength, similar to Wesley, and is shorter than Millennium by about a 1 cm. It is moderately resistant to leaf rust, stem rust, Fusarium head blight and Hessian fly. Overland is moderately susceptible to wheat streak mosaic virus and is susceptible to stripe rust. Overland has a medium coleoptile similar to Nekota. Winter hardiness for Overland is good, similar to Nekota. Test weight of Overland is good, similar to Expedition. Overland has adequate milling and baking properties. Overland is protected under the Plant Variety Protection Act with the Title V certification option. There is no saleable registered class.

| County | Name, Address | Telephone | Class | Acres |
|-------------|---------------------------------|---------------|-------|-------|
| Charles Mix | Pharmco Industries, LLC, Platte | (605)337-3374 | C | 360 |
| Day | Hansmeier & Son, Inc., Bristol | (605)492-3611 | C | 78 |

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| | | | | |
|--------------|---------------------------|---------------|---|-------------|
| Gregory | Lance Matucha, Burke | (605)830-7810 | C | 42 |
| Gregory | TDK Partnership, Fairfax | (605)654-2812 | C | 186 |
| Hand | Nelson's HB Seed, Miller | (605)853-3025 | C | 298 |
| Lyman | Herman Agri, Inc., Presho | (605)869-2305 | C | 157 |
| TOTAL | | | | 1121 |

REDFIELD—Redfield hard red winter wheat was developed by the South Dakota Agricultural Experiment Station (SD AES) and released in 2013 to seed producers by the developing institution. The line was tested as SD06158 and has the pedigree Wesley/CDC Falcon. Redfield is red chaffed, awned, semi-dwarf wheat about 1 inch taller than Wesley. Redfield is a mid-maturity type, with maturity being about 3 days later than Wesley. Winter hardiness and resistance to lodging are also similar to Wesley. The variety is moderately resistant to stem rust and moderately susceptible to leaf rust. Redfield has higher test weight and better resistance to Fusarium head blight than Wesley. Redfield is susceptible to WSMV and stripe rust. The variety has good milling and good baking properties. Redfield is protected under the Plant Variety Protection Act with the Title V certification option. A royalty fee will be collected on all sales of Registered and Certified classes for seed purposes.

| County | Name, Address | Telephone | Class | Acres |
|--------------|---|---------------|-------|-------------|
| Beadle | Jason Gruenhagen, DeSmet | (605)860-9959 | C | 32 |
| Beadle | Brad Wedel, Yale | (605)350-2923 | R | 122 |
| Brule | Christensen Grain Farm Part. (Grant), Chamberlain | (605)730-2269 | C | 130 |
| Charles Mix | Hansum Brothers (Larry), Platte | (605)680-1023 | C | 15 |
| Charles Mix | Hansum Brothers (Larry), Platte | (605)680-1023 | R | 23 |
| Charles Mix | Pharmco Industries, LLC, Platte | (605)337-3374 | C | 300 |
| Charles Mix | Pharmco Industries, LLC, Platte | (605)337-3374 | R | 50 |
| Clark | Larson Seed Farm, Clark | (605)532-5557 | C | 45 |
| Davison | Nick or Jim Lorang, Mt. Vernon | (605)770-5794 | C | 148 |
| Hand | Nelson's HB Seed, Miller | (605)853-3025 | C | 125 |
| Hyde | Jeff Ellsworth, Highmore | (605)870-1421 | C | 40 |
| Jerauld | Broken Heart Ranch, Wess Springs | (605)999-1196 | C | 288 |
| Lyman | Drew Reuman, Presho | (605)280-5330 | C | 278 |
| Lyman | Drew Reuman, Presho | (605)280-5330 | R | 18 |
| Potter | Gary & Jason Nagel, Gettysburg | (605)769-1967 | C | 265 |
| Potter | REH Farms, Inc., Gettysburg | (605)765-9552 | C | 262 |
| Potter | REH Farms, Inc., Gettysburg | (605)765-9552 | R | 25 |
| Spink | Jim Klebsch, Redfield | (605)472-3134 | C | 230 |
| Spink | Rahm Seed Cleaning (Curtis), Turton | (605)887-7300 | C | 100 |
| Tripp | Winner Seed, Winner | (605)842-0481 | C | 131 |
| Turner | Lee Brockmueller, Freeman | (605)925-4632 | C | 61 |
| TOTAL | | | | 2688 |

SY 517 CL2—SY 517 CL2 is a hard red winter wheat bred and developed by Syngenta Participations AG. It contains two genes conferring tolerance to the BASF herbicides 'Beyond' or 'ClearMax'. It was tested as 07CL039-7. SY 517 CL2 is best adapted to Kansas, Nebraska and South Dakota. Juvenile growth habit is erect. Leaf color at boot stage is green. Auricle color is white and anthocyanin is absent. Flag leaf at boot stage is recurved, twisted and wax is present. Anther color is yellow. Head shape is tapering and awned. Glumes are narrow in width and medium in length with oblique shoulders and acuminate beaks. Seed shape is ovate. Brush hairs are short in size. Seed cheeks are rounded.

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Chaff color is white when mature. SY 517 CL2 is a semi-dwarf variety, with early maturity and excellent straw strength. It is resistant to leaf rust and stem rust. SY 517 CL2 is moderately susceptible to stripe rust. The variety shows tolerance to SBMV. Syngenta Seeds, Inc. maintains seed stock and certified classes of Foundation, Registered and Certified. Certified seed stocks of SY 517 CL2 will likely be available in the fall of 2017. Plant Variety Protection is anticipated and SY 517 CL2 may only be sold as a class of certified seed..

| County | Name, Address Telephone | Class | Acres |
|------------|--|-------|-------|
| Jerauld | MPM Certified Seed, Wess Springs (605)770-9679..... | R | |
| Lyman | Karlen Ranch Partnership, Reliance (605)473-5605..... | C | |
| Pennington | Yardley & Co., Inc., Quinn (605)386-2375 | C | |
| Sully | Wittler Farms, Agar (605)258-2431..... | C | |

SY MONUMENT—SY Monument is a hard red winter wheat bred and developed by Syngenta Seeds, Inc.– AgriPro and released in 2014. SY Monument was tested as 04BC574-2. The variety resulted from a cross made in 2003 by Syngenta Seeds, Inc. SY Monument is a semi dwarf variety that has white chaff at maturity. SY Monument is best adapted to the winter wheat growing areas of the High Plains. SY Monument has early maturity and average straw strength. Juvenile growth habit is erect. Leaf color at boot stage is green. Flag leaf at boot stage is waxy, non-twisted and erect. Anther color is yellow. Head shape is tapering, mid-dense and awned. Glume pubescence is absent. Shoulders are oblique and the beak shape is acuminate. Seed shape is ovate. Seed cheeks are rounded. SY Monument is moderately resistant to leaf rust and stripe rust. The variety is resistant to stem rust and WSMV. Syngenta-AgriPro maintains Breeders seed stock and certified classes of Foundation, Registered and Certified. SY Monument is protected under the Plant Variety Protection Act with the Title V Certification option.

| County | Name, Address Telephone | Class | Acres |
|------------|---|-------|-------|
| Faulk | Carlson Farms, Seneca (605)830-8782..... | C | |
| Pennington | Yardley & Co., Inc., Quinn (605)386-2375 | C | |
| Stanley | Sioux Nation of Fort Pierre, Ft. Pierre (605)223-2427..... | C | |
| Stanley | Sioux Nation of Fort Pierre, Ft. Pierre (605)223-2427..... | R | |
| Sully | Wittler Farms, Agar (605)258-2431..... | C | |
| Walworth | Stiegelmeier Farms, Selby (605)845-6034 | C | |

SY SUNRISE—SY Sunrise is a hard red winter wheat bred and developed by Syngenta Seeds, Inc. – AgriPro and released in 2015. SY Sunrise was tested as 06BC796-68. SY Sunrise is a standard height semi dwarf variety that has white chaff at maturity. SY Sunrise is best adapted to the winter wheat growing areas of the Central Plains. SY Sunrise has early maturity, similar to SY Monument. Juvenile growth habit is erect. Leaf color at boot stage is green. Flag leaf at boot stage is non-waxy, twisted and erect. Anther color is yellow. Head shape is tapering, lax and awned. Glume pubescence is absent. Shoulders are oblique and the beak shape is acuminate. Seed shape is ovate. Seed cheeks are rounded. SY Sunrise is resistant to stem rust and is moderately susceptible to WSMV. It is moderately resistant to leaf rust

and stripe rust. Syngenta-AgriPro maintains Breeders seed stock and certified classes of Foundation, Registered and Certified. SY Sunrise is protected under the Plant Variety Protection Act with the Title V Certification option.

| County | Name, Address Telephone | Class | Acres |
|--------|--|-------|-------|
| Faulk | Carlson Farms, Seneca (605)830-8782..... | C | |
| Lyman | Karlen Ranch Partnership, Reliance (605)473-5605..... | C | |
| Sully | Wittler Farms, Agar (605)258-2431..... | C | |
| Sully | Wittler Farms, Agar (605)258-2431..... | R | |

SY WOLF—SY Wolf is a hard red winter wheat bred and developed by Syngenta Seeds, Inc. – AgriPro and released in 2011. SY Wolf was tested as BC01007-7. The variety resulted from the cross W99-331/97x0906-8 made in the spring of 2001 by Syngenta Seeds, Inc. SY Wolf is a semi dwarf variety that has white chaff at maturity. SY Wolf is best adapted to North and South Dakota and Western Nebraska. SY Wolf has early maturity and excellent straw strength. The variety is moderately resistant to leaf rust, tan spot, stem rust and WSMV. SY Wolf is also moderately resistant to powdery mildew and septoria. The variety is susceptible to stripe rust. Syngenta-AgriPro maintains Breeders seed stock and certified classes of Foundation, Registered and Certified. SY Wolf is protected under the Plant Variety Protection Act with the Title V certification option.

| County | Name, Address Telephone | Class | Acres |
|------------|---|-------|-------|
| Faulk | Carlson Farms, Seneca (605)830-8782..... | C | |
| Jerauld | MPM Certified Seed, Wess Springs (605)770-9679..... | C | |
| Kingsbury | Midstate Agronomy, DeSmet (605)854-9282..... | R | |
| Lyman | Herman Agri, Inc., Presho (605)869-2305 | C | |
| Pennington | Yardley & Co., Inc., Quinn (605)386-2375 | R | |
| Stanley | Sioux Nation of Fort Pierre, Ft. Pierre (605)223-2427..... | C | |
| Sully | Wittler Farms, Agar (605)258-2431..... | C | |
| Sully | Wittler Farms, Agar (605)258-2431..... | R | |

SY WOLVERINE—SY Wolverine is a hard red winter wheat developed by Syngenta Participations AG and released in 2019. SY Wolverine was tested as 08BC379-40-1. SY Wolverine is a standard height semi dwarf variety that has white chaff at maturity. SY Wolverine is broadly adapted across the winter wheat growing areas of the Western, Northern and Central Plains. SY Wolverine has medium maturity, similar to SY Sunrise. Juvenile growth habit is erect. Leaf color at boot stage is green. Flag leaf at boot stage is non-waxy, twisted and erect. Anther color is yellow. Head shape is tapering, mid dense and awned. Glume pubescence is absent. Shoulders are oblique and the beak shape is acuminate. Seed shape is ovate. Seed cheeks are rounded. SY Wolverine has shown above average leaf rust tolerance according to company data. Syngenta Seeds, LLC maintains seed stock and certified classes of Foundation, Registered and Certified. Application to the Plant Variety Protection office has been made with the Certification option.

| County | Name, Address Telephone | Class | Acres |
|--------|--|-------|-------|
| Misc. | Syngenta Seeds, Inc. - AgriPro, Berthoud (907)532-3721..... | F | |

THOMPSON—Thompson hard red winter wheat was developed by the South Dakota Agricultural Experiment Station (SD AES) and released in 2017 to seed producers by the developing institution. The line was tested as SD09227 and has the pedigree SD97088/KS920709-B-5-2//Jagalene. Thompson is white chaffed, awned, semi-dwarf wheat, similar in height compared to Lyman and Overland. Thompson is a medium to later maturing type, typically flowering similar to Redfield and Ideal. Winter hardiness is good. Resistance to lodging is better than Ideal and Overland. Thompson is resistant to leaf rust and moderately resistant to Fusarium head blight. The variety is moderately susceptible stem rust, stripe rust and WSMV. Thompson is susceptible to stripe rust and Tan spot. Thompson has similar test weight to Redfield and Ideal. The variety has average protein and acceptable baking properties. Application for Plant Variety Protection with the Title V certification option is anticipated. A royalty fee will be collected on all sales of Registered and Certified classes for seed purposes.

| County | Name, Address Telephone | Class | Acres |
|--------------|--|-------|-------------|
| Charles Mix | Hansum Brothers (Larry), Platte (605)680-1023... | C | 110 |
| Charles Mix | Hansum Brothers (Larry), Platte (605)680-1023... | R | 27 |
| Charles Mix | Alec Weber, Lake Andes (605)660-3198..... | C | 39 |
| Codington | Thyen Farms, Watertown (605)520-8159..... | C | 216 |
| Davison | Nick or Jim Lorang, Mt. Vernon (605)770-5794.... | C | 147 |
| Davison | Wade Strand, Mitchell (605)996-7533..... | C | 32 |
| Davison | Wade Strand, Mitchell (605)996-7533..... | R | 35 |
| Haakon | Hand Brothers Partnership, Midland (605)567-3397..... | C | 466 |
| Hand | Dale Resel, St. Lawrence (605)853-2513..... | C | 355 |
| Jerauld | Broken Heart Ranch, Wess Springs (605)999-1196..... | C | 84 |
| Kingsbury | Virchow Farms, Lake Preston (605)847-4238..... | R | 80 |
| Lyman | Drew Reuman, Presho (605)280-5330..... | C | 62 |
| Lyman | Drew Reuman, Presho (605)280-5330..... | R | 18 |
| Pennington | Bielmaier Farms, Wall (605)279-2841..... | R | 80 |
| Potter | REH Farms, Inc., Gettysburg (605)765-9552..... | R | 25 |
| Sully | Wittler Farms, Agar (605)258-2431..... | R | 85 |
| Tripp | Jorgensen Land & Cattle, Ideal (605)842-3217.... | C | 188 |
| Tripp | Jorgensen Land & Cattle, Ideal (605)842-3217.... | R | 24 |
| TOTAL | | | 2073 |

WB4462—WB4462 is a hard red winter wheat, bred and developed by Monsanto Technology, LLC in 2016. It will be marketed in the Northern Plains region of the U.S. as a WestBred branded variety. The variety was tested as HV9W10-0091. WB4462 is an early-medium maturing variety. WB4462 is an awned, semi-dwarf variety with lax, nodding, tapered shaped spikes. The glumes are white in color at maturity. WB4462 is moderately resistant to leaf rust. It is susceptible to stripe rust and WSMV. The certified classes of seed shall be Foundation, Registered and Certified. WB4462 is protected under the Plant Variety Protection Act (PVP-94).

| County | Name, Address Telephone | Class | Acres |
|----------|--|-------|-------|
| Jones | Rankin & Sons, Inc., Draper (605)669-2511..... | C | |
| Walworth | Stiegelmeier Farms, Selby (605)845-6034..... | C | |

SOFT RED WINTER WHEAT

T173—T173 soft red winter wheat was developed by Trio Research, Inc., and is owned and being marketed by Limagrain Cereal Seeds. The variety was released in 2012. T173 is a tan-chaffed, awnless variety, with medium height (similar to Ideal HRW) and early maturity. The flag leaf is recurved, not twisted and waxy. T173 is resistant to soil borne mosaic virus. The variety is moderately susceptible to wheat streak mosaic and barley yellow dwarf viruses. T173 is protected under the Plant Variety Protection Act with the Title V certification option. The certified classes of seed shall be Foundation, Registered and Certified.

| County | Name, Address Telephone | Class | Acres |
|--------|--|-------|-------|
| Spink | Jim Klebsch, Redfield (605)472-3134..... | C | |

SEED GROWERS

Listed alphabetically by NAME

| | |
|---|--------------|
| Abeln Farm, Inc. , 40344 134th Street Groton, SD 57445..... | 605-397-8113 |
| Ag Performance, Inc. , PO Box 520 Buffalo Center, IA 50424..... | 641-562-2370 |
| Barber, Ken , 30385 187th St PO Box 905 Onida, SD 57564..... | 605-258-2708 |
| Beck, Bob , 32776 299th St Dallas, SD 57529..... | 605-830-9687 |
| Beck, Ken , 33061 298th Street Dallas, SD 57529..... | 605-830-2066 |
| Biegler, Alan , PO Box 188 Timber Lake, SD 57656-0188..... | 605-865-3231 |
| Bielmaier Farms , PO Box 430 Wall, SD 57790-0430..... | 605-279-2841 |
| Bisgard Farms , 14920 444th Avenue Waubay, SD 57273..... | 605-881-3385 |
| Bollweg Farms , 20210 322nd Avenue Harold, SD 57536..... | 605-875-3440 |
| Bosworth, Joe , 37644 252nd Street White Lake, SD 57383..... | 605-680-2462 |
| Brandt Farms, Inc. , 18013 470th Avenue Clear Lake, SD 57226..... | 605-520-0442 |
| Brockmueller, Lee , 28440 442nd Avenue Freeman, SD 57029..... | 605-925-4632 |
| Broken Heart Ranch , 23268 383rd Avenue Wess Springs, SD 57382..... | 605-999-1196 |
| Buschenfeld, Mark , 19379 472nd Avenue Toronto, SD 57268..... | 605-690-6773 |
| Carey, Brandon , 10383 156th Avenue Hettinger, ND 58639..... | 701-928-0030 |
| Carlson Farms , 16573 334th Avenue Seneca, SD 57473..... | 605-436-6203 |
| Chris Howard Ranch , 19245 355th Avenue Miller, SD 57362..... | 605-204-0299 |
| Christensen Grain Farm Part., Grant , 25206 344th Avenue Chamberlain, SD 57325..... | 605-730-2269 |
| Cronin Farms , 30431 167th Street Gettysburg, SD 57442..... | 605-765-9287 |
| Dakota's Best Seed Co. , 36656 Hwy 44 Platte, SD 57369-6337..... | 605-337-3318 |
| Discount Seeds Inc. , 2411 9th Ave SW PO Box 84 Watertown, SD 57201..... | 605-886-5888 |
| Dowling, Skyler , 20493 Pheasant Pl Pierre, SD 57501..... | 605-222-9065 |
| Eastman, Cody , 405 Washington Street Brandt, SD 57218-0188..... | 605-690-8891 |
| Eisenbeisz Farms , 32512 127th Street Bowdle, SD 57428-5005..... | 605-285-6738 |

| | |
|---|--------------|
| Eisenbraun, Scot , 18185 236th Street Wall, SD 57790..... | 605-279-2629 |
| Eisenbraun, Tyrel , 23245 Jensen Rd Wall, SD 57790..... | 605-685-3686 |
| Ellsworth, Jeff , 33553 SD Hwy 34 Highmore, SD 57345..... | 605-870-1421 |
| Fiedler Farms Inc. , 13073 309th Avenue Selby, SD 57472-5809..... | 605-649-6280 |
| Foundation Seed Stocks , SDSU Box 2207-A Brookings, SD 57007-1096..... | 605-688-5418 |
| Frericks, Stacey , 38803 165th Street Ashton, SD 57424..... | 605-460-0887 |
| Frey, Jeff , 12532 290th Avenue Mobridge, SD 57601..... | 605-762-3326 |
| Fuller Farms , 43501 174th Street Henry, SD 57243..... | 605-532-5708 |
| Giese, Gery , 30051 137th Street Selby, SD 57472..... | 605-649-7832 |
| Golden Willow Seeds Inc. , 21304 238th Avenue Midland, SD 57552-3122..... | 605-843-2187 |
| Green Thumb Commodities , 21718 445th Avenue, PO Box J Oldham, SD 57051-0018..... | 605-482-8295 |
| Grinols, Jay , 15473 451st Avenue South Shore, SD 57263-5202..... | 605-886-8174 |
| Gruenhagen, Jason , PO Box 210 DeSmet, SD 57231..... | 605-860-9959 |
| Hall, Nick & Cody , 20207 457th Avenue Arlington, SD 57212..... | 605-203-1249 |
| Halls Seed LLC , 20466 451st Avenue Arlington, SD 57212..... | 605-690-3594 |
| Hand Brothers Partnership , 24704 204th Street Midland, SD 57552..... | 605-567-3397 |
| Hansmeier & Son , 77 South Main PO Box 136 Bristol, SD 57219..... | 605-492-3611 |
| Hansum Brothers , 37315 275th Street Platte, SD 57369..... | 605-680-1023 |
| Henglefeld, Glen , 26589 418th Avenue Alexandria, SD 57311..... | 605-227-4535 |
| Herman Agri Inc. , 31120 252nd Street Presho, SD 57568..... | 605-869-2304 |
| Heuer, Allen , 15262 457th Avenue Summit, SD 57266..... | 605-686-0914 |
| Hofer, Cordell S. , 43665 257th Street Salem, SD 57058..... | 605-660-1582 |
| Horter Farms , 13808 SD Hwy 27 Andover, SD 57422..... | 605-216-4852 |
| Howe Seeds Inc. , 11198 272nd Avenue PO Box 496 McLaughlin, SD 57642..... | 605-823-4892 |
| Jackson, Eric , 705 Dakota Avenue N Wess Springs, SD 57382-2058..... | 605-680-3713 |
| Jim Fischbach Farm Inc. , 38989 147th Street Warner, SD 57479-7014..... | 605-887-3269 |

Jorgensen Land & Cattle, 31250 265th Street
 Ideal, SD 57541 605-842-3217

K & K Farms Inc., 47244 181st Street
 Clear Lake, SD 57226-5439 605-874-2322

Karlen Ranch Partnership, 33055 235th St PO Box 1343
 Reliance, SD 57569 605-473-5605

Kirsch Farms, 37081 263rd Street
 White Lake, SD 57383 605-337-9658

Klebsch, Jim, 38701 170th Street
 Redfield, SD 57469 605-472-3134

Knutson, Larry, 515 Northridge Road
 Estelline, SD 57234 605-873-2603

Koehlmoos, Norman, 43480 205th Street
 DeSmet, SD 57231-5816 605-854-3524

Koeppel Seeds, PO Box 64
 Claire City, SD 57224-0064 605-652-4529

Kuecker Kountry Farms, 43846 147th Street
 Webster, SD 57274-6025 605-345-4601

Kuecker Seed Farm, 14762 438th Avenue
 Webster, SD 57274-6027 605-345-3169

Larson Seed Farm, 43445 171st Street
 Clark, SD 57225-5200 605-532-5557

Locken Farms, 39643 137th Street
 Bath, SD 57427 605-380-2264

Lorang, Nick or Jim, 25406 398th Avenue
 Mt. Vernon, SD 57363 605-770-5794

LW Sales, Inc., 300 Railroad Ave PO Box 668
 Groton, SD 57445 605-397-8111

Lyren, Anthony L., 40993 161st St.
 Conde, SD 57434 605-897-7732

Matucha, Lance, 34642 Frey Road
 Burke, SD 57523-0445 605-830-7810

McGillivray, Bret, 3104 North Serenity Dr
 Watertown, SD 57201 605-881-4330

McNeil, B.J., 1260 Lawnridge Avenue
 Huron, SD 57350 605-354-3419

Midstate Agronomy, 43204 Highway 14, PO Box 10
 DeSmet, SD 57231-0010 605-854-9282

Misar, Mark, 41721 294th Street
 Scotland, SD 57059 605-661-1094

Moeckly Elevator, Inc., 41648 SD Hwy 10
 Britton, SD 57430-5505 605-448-2212

MPM Certified Seed, 22875 383rd Avenue
 Wess Springs, SD 57382 605-770-9679

Mustang Seeds, Inc., 306 S. Washington PO Box 466
 Madison, SD 57042 605-256-6529

Nagel, Gary & Jason, 15627 316th Avenue
 Gettysburg, SD 57442 605-769-1967

Nelson's HB Seed, 1020 N Broadway PO Box 87
 Miller, SD 57362 605-853-3025

Norberg, Dean, 34536 282nd Street
 Burke, SD 57523 605-830-2062

Nutrien Ag Solutions, 10 W Main Street PO Box 109
 Northville, SD 57465 605-887-3422

Patterson, Paul, 28032 244th Street
 Draper, SD 57531-3142 605-669-2647

Pearlsgaard Farm, LLC, 46855 200th Street
 Bruce, SD 57220 605-690-8669

Peckham, Darwin, 41557 147th Street
 Bristol, SD 57219 605-228-9001

Pharmco Industries - Platte, 36590 SD Hwy 44
 Platte, SD 57369 605-337-3374

Rahm Seed Cleaning, 40340 161st Street
 Turton, SD 57477 605-897-6623

Rankin & Sons Inc., 27924 239th Street
 Draper, SD 57531 605-669-2511

REH Farms Inc., 16332 SD Hwy 1804
 Gettysburg, SD 57442 605-765-9552

Resel, Dale, 20220 366th Avenue
 St. Lawrence, SD 57373 605-853-2513

Reuman, Drew, PO Box 12
 Presho, SD 57568 605-280-5330

Roduner, Brian & Steve, 36241 225th Street
 Miller, SD 57362 605-293-3456

Roghair, Henry Glen, 25951 241st Street
 Okaton, SD 57562 605-669-2819

Roghair, Raymond, 24051 261st Avenue
 Okaton, SD 57562 605-669-2248

Roitsch, Jerry, 60 - 5th Avenue E.
 Bristol, SD 57219-5804 605-492-3330

Rothschadl, Keith, 29414 415th Avenue
 Scotland, SD 57059 605-661-0487

Salverson, Evan, 11727 303rd Avenue
 Mound City, SD 57646-6203 605-848-0009

SE Research Farm, 29974 University Road
 Beresford, SD 57004 605-563-2989

Seed Exchange, 36787 SD Hwy 44, PO Box 247
 Platte, SD 57369-0247 605-337-9882

Sexauer Discount Farm Services, PO Box 540
 Brookings, SD 57006-0540 605-696-7924

Sioux Nation, LLC, 309 Farwest Ave PO Box 452
 Ft. Pierre, SD 57532 605-223-2427

Smith, Roger M., PO Box 54
 Hazel, SD 57242 605-520-0617

Spieker, David, 19345 423rd Avenue
 Willow Lake, SD 57278 605-625-3685

Stevicks, Ray or Ted, 34143 295th Street
 Burke, SD 57523 605-830-0270

Stiefvater, Kurt, 25108 445th Avenue
 Salem, SD 57058 605-360-1618

Stiegelmeier Farms, 13402 306th Avenue
 Selby, SD 57472-5802 605-845-6034

Storley Farms, 44136 130th Street
 Roslyn, SD 57261 605-881-5843

Strand, Wade, 25798 409th Avenue
Mitchell, SD 57301-5801..... 605-996-7533

Sumption Farms, 10997 390th Ave
Frederick, SD 57441 605-380-1016

Syngenta Seeds, Inc. - AgriPro, 806 2nd St PO Box 30
Berthoud, CO 80513..... 907-532-3721

TDK Partnership, 37067 Hwy 18
Fairfax, SD 57335..... 605-654-2812

Thiry Feedlot, Inc., 36933 252nd Street
White Lake, SD 57383..... 605-249-2777

Thompson, Robert, 45956 206th Street
Bruce, SD 57220..... 605-983-3984

Thyen Farms, 46220 165th Street
Watertown, SD 57201-8765..... 605-520-8159

TP Johnson Farms, 43593 176th St
Henry, SD 57243 605-881-8006

Tritle Farms, 27495 SD Hwy 49
Winner, SD 57580..... 605-840-4332

Troske, Rory, 40559 162nd Street
Turton, SD 57477-5911 605-897-6656

Uckert, Joe, 18005 475th Avenue
Clear Lake, SD 57226..... 605-874-2529

Van Dusseldorp Ag, 521 Wisconsin Ave PO Box 308
Platte, SD 57369..... 605-337-3052

Vander Ley, Larry, 38051 173rd Street
Corsica, SD 57328..... 605-946-5409

Virchow Farms, 20327 441st Avenue
Lake Preston, SD 57249..... 605-847-4238

Warrington Seeds, 35 County Road 33
Bristol, SD, 57219..... 605-492-3500

Weber, Alec, 38284 289th Street
Lake Andes, SD 57356..... 605-660-3198

Wedel, Brad, 19772 409th Avenue
Yale, SD 57386..... 605-350-2923

Weisbeck & Sons, 11193 US Hwy 83
Herreid, SD 57632-5802..... 605-437-2963

Weisbeck, Mark & Paul, 11193 US Hwy 83
Herried, SD 57632-5802..... 605-437-2963

Winner Seed, 27763-317th Avenue, E Hwy 44
Winner, SD 57580..... 605-842-0481

Wittler Farms, 29471 176th Street
Agar, SD 57520 605-258-2431

Wolff, Dennis, 34365 104th Street
Long Lake, SD 57457 605-380-5457

Yardley & Co, Inc., 20101 Kelly Hill Rd.
Quinn, SD 57775 605-386-2375

Approved Certified Seed Conditioners

The following seed conditioning plants have been approved for cleaning South Dakota Certified Seed for the 2019-2020 year:
(Sorted alphabetically by town)

| NAME, TOWN, PHONE | CROPS ELIGIBLE TO CONDITION |
|---|---|
| Hall's Seed LLC 20466 451st Avenue Arlington , SD 57212 | 605-690-3594 Buckwheat, field peas, millet, small grains, soybeans |
| Fairway Seed Company 802 Depot, PO Box 580 Armour , SD 57313-0580 | 605-724-2401/ 605-770-2896 All crops |
| *Custom Grain Cleaning PO Box 522 Bath , SD 57427-0522 | 605-226-3540/ 605-380-0513 Small grains, Portable Cleaner |
| *Blotske's Grain Cleaning (Allen) 4110 England Street Bismarck , ND 58504-8990 | 701-258-2333/ 701-220-3773 Wheat, Portable Cleaner |
| *Central Seed Service PO Box 270 Blunt , SD 57522 | 605-280-9085 Small grains, soybeans, Portable Cleaner |
| Eisenbeisz Farms, Inc. 32512 127th Street Bowdle , SD 57428-5005 | 605-285-6738/ 605-281-1154 Small grains |
| Hansmeier & Son, Inc. 77 S. Main Street, PO Box 136 Bristol , SD 57219-0136 | 605-492-3611/ 605-377-3325/ 605-492-3531 All crops |
| Warrington Seed 35 County Road 33 Bristol , SD 57219-2048 | 605-492-3500/ 605-216-4944 Flax, millet, small grains, soybeans |
| Moeckly Elevator, Inc. 41648 SD Highway 10 Britton SD 57430-5505 | 605-448-2212/ 605-237-2054 Corn, millet, small grains, soybeans |
| Arrow Seed Co., Inc., 126 North 10th Avenue, PO Box 722 Broken Bow , NE 68822-0722 | 800-622-4727 Grasses, small grains, small-seeded legumes |

* Portable Cleaner

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| Sexauer Discount Farm Services, Inc. PO Box 540 Brookings, SD 57006-0540 | 605-696-7924 | Millet, small grains |
| *Pharmco Industries, LLC 1250 E. King Avenue Chamberlain, SD 57325 | 605-234-5209/ 605-730-0624 | Small grains, Portable Cleaner |
| Koepe Seeds PO Box 64 Claire City, SD 57224-0064 | 605-652-4529/ 605-742-4336 | Buckwheat, flax millet, small grains, soybeans |
| Larson Seed Farm 43445 171st Street Clark, SD 57225-5200 | 605-532-5557/ 605-880-5087 | Flax, small grains, soybeans |
| *Voeller Superior Seed Grading 11475 391st Avenue Columbia, SD 57433 | 701-320-4486/ 701-320-0934 | Small grains, Portable Cleaner |
| CHS Dakota Prairie 102 6th Avenue, PO Box 8 Edgeley, ND 58433-0008 | 701-493-2808/ 701-493-2481 | Flax, small grains, soybeans |
| *Mid Dakota Seed Service PO Box 373 Faulton, SD 57438-0373 | 605-460-1119 | Millet, small grains, soybeans, Portable Cleaner |
| *Greenbank, Inc. PO Box 1037 Ft. Morgan, CO 80701 | 800-615-4769 | Wheat, Portable Cleaner |
| Dakota Mill & Grain, Inc. 507 Elevator Road, PO Box 338 Ft. Pierre, SD 57532-0338 | 605-223-2557/ 605-223-2558 | Small grains |
| *Sioux Nation, LLC PO Box 452 Ft. Pierre, SD 57532 | 605-223-2427/ 605-223-3101 | Field Peas, flax, millet, pulse crops, small grains, Portable Cleaner |
| *Sioux Nation of Fort Pierre 504 Deadwood, PO Box 452 Ft. Pierre, SD 57532 | 605-223-2427/ 605-223-3101 | Field Peas, flax, millet, pulse crops, small grains, Portable Cleaner |
| Rix Farms Inc. 12960 406th Avenue Groton, SD 57445-5475 | 605-397-8382/ 605-397-7118/ 605-216-0342 | Millet, soybeans, wheat |

* Portable Cleaner

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|--|--|--|
| LW Sales, Inc. PO Box 668 Groton, SD 57445 | 605-397-8111 | Small grains |
| Pullan Grain Cleaning 14041 402nd Avenue Groton, SD 57445 | 605-395-6456 | Small grains |
| *General Grain Cleaning 930 115th Avenue SE Hannaford, ND 58448 | 701-769-2300/ 800-797-3268 | Dry beans, small grains, soybeans, Portable Cleaner |
| *General Grain Cleaning #2 930 115th Avenue SE Hannaford, ND 58448 | 701-769-2300/ 800-797-3268 | Dry beans, small grains, soybeans, Portable Cleaner |
| *Cotten Seed Service 203 2nd Street, PO Box 125 Henry, SD 57243-0125 | 605-532-3738/ 605-881-6178 | Small grains, soybeans, Portable Cleaner |
| *Weisbeck & Sons 11193 US Highway 83 Herreid, SD 57632-5802 | 605-437-2963/ 605-850-1806/ 605-230-0089 | Small grains, Portable Cleaner |
| *Mac's Corner Ag Supply 33553 SD Hwy 34 Highmore, SD 57345 | 605-852-9280/ 605-870-1421 | Small grains, Portable Cleaner |
| *Mark Perrion Grain Cleaning 212 Cambridge Avenue Ipswich, SD 57451 | 605-216-6836 | Small grains, Portable Cleaner |
| *Pharmco Industries, LLC 36704 252nd Street Kimball, SD 57355 | 605-778-6579/ 605-682-9175 | Small grains, Portable Cleaner |
| Howe Seeds, Inc. 11198 272nd Avenue, PO Box 496 McLaughlin, SD 57642 | 605-823-4892/ 605-845-5892 | Flax, pulse crops, small grains, small- seeded legumes |
| Mustang Seed Cleaning Plant PO Box 466 Madison, SD 57042-0466 Plant is located 13 miles north of Highmore, SD. | 605-256-6529/ 605-480-0156 (Chris) 605-871-3624 (Matt) | Oats |
| Mettler Fertilizer 656 E. Highway 18, PO Box 325 Menno, SD 57045-0325 | 605-387-5513/ 605-464-0078 | Wheat |
| Golden Willow Seeds, Inc. 21304 238th Avenue Midland, SD 57552-3122 | 605-843-2187/ 605-843-2809/ 605-685-5911 | Grasses, small grains, small-seeded legumes, sorghum |

* Portable Cleaner

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| *Van Tassel Seed Cleaning 21306 238th Avenue Midland , SD 57552-4008 | 605-843-2171/ 605-685-4406 | Millet, safflower, small grains, sunflower Portable Cleaner |
| Stengel Seed & Grain 14698 SD Highway 15 Milbank , SD 57252-5424 | 605-432-6030 | Flax, small grains, soybeans |
| *Nelson's HB Seed 1020 North Broadway, PO Box 87 Miller , SD 57362-0087 | 605-853-3025/ 605-870-1472/ 605-870-3048 | Grasses, small grains, small-seeded legumes, soybeans Portable Cleaner |
| *Wade Strand 25798 409th Avenue Mitchell , SD 57301-5801 | 605-996-7533/ 605-770-8790 | Small grains, Portable Cleaner |
| Frey Seed 12532 290th Avenue Mobridge , SD 57601 | 605-762-3326/ 605-848-1486 | Millet, small grains |
| *Heskin Grain Processing, Inc. PO Box 111 New Rockford , ND 58356-0111 | 701-947-5111/ 701-302-0653/ 701-947-5114 | Wheat, field peas Portable Cleaner |
| *Heskin Grain Processing, Inc. #2 PO Box 111 New Rockford , ND 58356-0111 | 701-947-5111/ 701-302-0653/ 701-947-5114 | Wheat, field peas, Portable Cleaner |
| Nutrien Ag Solutions 10 W Main Street, PO Box 109 Northville , SD 57465-0109 | 605-887-3422 | Small grains field peas, soybeans |
| Green Thumb Commodities 21718 445th Avenue, PO Box J Oldham , SD 57051-0018 | 605-482-8295/ 605-482-8296/ 800-843-3327 | Flax, millet, small grains, small-seeded legumes |
| Dakota's Best Seed Co. 36656 West Hwy 44 Platte , SD 57369-6337 | 605-337-3318/ 605-337-3319/ 605-680-4284 | Grasses, small grains, small- seeded legumes |
| *Pharmco Industries, LLC 36590 SD Hwy 44 Platte , SD 57369 | 605-337-3374 | Small grains, Portable Cleaner |
| Seed Exchange (Conditioning Plant) 36787 SD Hwy 44, PO Box 247 Platte , SD 57369-0247 | 605-337-9882 | All crops |

* Portable Cleaner

| | | |
|---|---|---|
| *Seed Exchange 36787 SD Hwy 44, PO Box 247 Platte , SD 57369-0247 | 605-337-9882 | Small grains, Portable Cleaner |
| Van Dusseldorp Ag PO Box 308 Platte , SD 57369 | 605-337-3052 | Oats |
| *Reuman Ag 30403 SD Hwy 248 Presho , SD 57568 | 605-222-1710/ 605-222-1712 | Small grains, Portable Cleaner |
| Fiedler Farms, Inc. 13073 309th Avenue Selby , SD 57472-5809 | 605-845-6700/ 605-649-6280/ 605-649-7795 | Millet, small grains |
| Foothills Seeds, Inc. 2323 South Junction Avenue PO Box 338 Sturgis , SD 57785-0338 | 605-347-4578 | Grasses, small grains, small- seeded legumes |
| Dewey County Crop Improvement Courthouse PO Box 9 Timber Lake , SD 57656-0009 | 605-865-3789/ 605-848-3097 | Millet, small grains, small-seeded legumes |
| *Rahm Seed Cleaning 40340 161st Street Turton , SD 57477 | 605-897-6623/ 605-897-6540/ 605-887-7300/ 605-887-7800 (Jason) | Small grains, Portable Cleaner |
| *Spink County Grain Cleaners, Inc. 40604 161st Street Turton , SD 57477-5900 | 605-897-6628/ 605-635-6281 | Small grains, Portable Cleaner |
| *Joe Blotske Grain Cleaning, LLC PO Box 694 Underwood , ND 58576-0694 | 701-442-3549/ 701-400-1792 | Small grains, Portable Cleaner |
| *Blotske's Grain Cleaning (Marcia) PO Box 167 Underwood , ND 58576-0167 | 701-442-5675 701-301-2585 | Wheat, Portable Cleaner |
| Pioneer Hi-Bred Int., Inc. 17835 Hwy 13 West, PO Box 93 Wahpeton , ND 58074-0093 | 701-642-5300 | Soybeans |
| *Eisenbraun Seed Cleaning PO Box 245 Wall , SD 57790 | 605-391-6967 | Field peas, millet, safflower, wheat Portable Cleaner |

* Portable Cleaner

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| Discount Seeds, Inc. 2411 9th Avenue SW, PO Box 84 Watertown, SD 57201-0084 | 605-886-5888 | Millet, small grains, soybeans |
| *Quality Seed Service 17613 449th Avenue Watertown, SD 57201-7675 | 605-881-7000 | Soybeans, wheat, Portable Cleaner |
| Watertown Coop Elevator Assoc. 811 B N Drive Watertown, SD 57201 | 605-886-4406 | Flax, small grains |
| Kuecker Kountry Farms 43846 147th Street Webster, SD 57274-6025 | 605-345-4601/ 605-345-4328/ 605-345-3463 | Millet, small grains, soybeans |
| Kuecker Seed Farm, Inc. 14762 438th Avenue Webster, SD 57274-6027 | 605-345-3169/ 605-345-4397/ 605-380-3925 | Flax, millet, small grains, soybeans |
| MPM Certified Seed 22875 383rd Avenue Wessington Springs, SD 57382 | 605-770-6537/ 605-539-0070 | All crops |
| *Gene's Custom Grain Cleaning 11646 387th Avenue Westport, SD 57481 | 605-329-2711/ 605-290-1236 | Small grains, Portable Cleaner |
| Legend Seeds Processing Plant 43281 189th Street Willow Lake, SD 57278 | 800-678-3346/ 605-854-3346 | Soybeans |
| *Pharmco Industries, LLC 27768 317th Avenue Winner, SD 57580 | 605-842-0703 | Small grains, Portable Cleaner |
| Winner Seed E Hwy 44 27763 317th Avenue Winner, SD 57580 | 605-842-0481/ 605-842-1680 | Small grains, small-seeded legumes |

* Portable Cleaner

Approved Bulk Retail Facilities

(Sorted alphabetically by town)

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| Wittler Farms 29471 176th Street Agar, SD 57520 | 605-258-2431/ 605-280-0152 |
| Kelsey Seed & Ag Service, LLC 421 - 5th Street S Alpena, SD 57312 | 605-849-3454/ 605-354-3506 |
| S S & H Ag Supplies, Inc. 101 West Main Street Ashton, SD 57424 | 605-472-1020/ 605-450-1131 |
| CBH CO-OP, Feed & Ag Services 77 North 6th Avenue Belle Fourche, SD 57717 | 605-723-1333 |
| Dakota Mill & Grain 808 5th Avenue Belle Fourche, SD 57717 | 605-892-2543 |
| Millborn Seeds, Inc. 2132 32nd Avenue Brookings, SD 57006 | 605-697-6306/ 605-690-4159 |
| Agtegra Cooperative 535 415th Avenue, PO Box 113 Carpenter, SD 57322-0113 | 605-352-7210/ 605-350-4076 |
| Nutrien Ag Solutions 30195 SD Hwy 19 Centerville, SD 57014 | 605-563-2533 |
| Agtegra Cooperative 250 West 249th Street Chamberlain, SD 57325 | 605-234-4230 |
| Agri Partners, Inc. 47453 SD Hwy 22 Clear Lake, SD 57226 | 605-874-2550/ 605-695-9698 |
| Farmers Alliance PO Box 65 Corsica, SD 57328-0065 | 605-946-6215/ 605-946-6200 |

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| Agland Coop - A & D Fertilizer 39833 US Highway 18 Delmont , SD 57330-6908 | 605-779-2003/ 605-928-3627/ 605-770-3783 |
| Midstate Agronomy 43204 U.S. Hwy 14, PO Box 10 DeSmet , SD 57231-0010 | 605-854-9282/ 605-203-0555 |
| Northern Plains Cooperative #1 RR Street, PO Box 127 Dupree , SD 57623-0127 | 605-365-5331/ 605-365-5332/ 800-564-0883 |
| CHS Northern Plains 11103 Walnut Rd Eureka , SD 57437 | 605-284-2673 |
| Agtegra Cooperative 16253 355th Avenue, PO Box 69 Faulkton , SD 57438 | 605-598-6500 |
| CHS-dba-Northern Plains 609 9th Avenue S. Faulkton , SD 57438 | 605-598-4532 |
| Country Pride Cooperative PO Box 276 Fairfax , SD 57335-0276 | 605-654-2619/ 605-830-0266 |
| Country Pride Cooperative 803 N. US Hwy 81, PO Box F Freeman , SD 57029 | 605-925-7424/ 605-648-3231/ 605-660-3371 |
| Beringer Seed Sales LLC PO Box 82 Gettysburg , SD 57442 | 605-769-0272 |
| Brown Agronomy PO Box 305 Gettysburg , SD 57442 | 605-765-9133 |
| CHS Northern Plains 503 North Potter Gettysburg , SD 57442-1029 | 605-765-2476/ 605-765-2498 |
| Lubbers Farms, Inc. 33681 289th Street Gregory , SD 57533-4008 | 605-830-8782 |

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| Abeln Farm, Inc. 40344 134th Street Groton , SD 57445 | 605-397-8113 |
| Bollweg Farms (Michael) 20210 322nd Avenue Harrold , SD 57536 | 605-875-3440/ 605-870-1725 |
| Agtegra Cooperative 32080 U.S. Hwy 14, PO Box 3 Harrold , SD 57536-0003 | 605-875-3375 |
| Agtegra Cooperative 525 Commercial Ave., PO Box 352 Highmore , SD 57345 | 605-852-2558/ 605-350-7264 |
| Pinnacle Agriculture PO Box 564 Highmore , SD 57345 | 605-852-2777/ 605-295-0461 |
| Western Consolidated Cooperative PO Box 78 Holloway , MN 56249 | 605-432-4531/ 320-394-2171 Located in Twin Brooks |
| Hoven Equity Exchange PO Box 785 Hoven , SD 57450-0785 | 605-948-2226 |
| Howard Farmers Coop Assn. PO Box 706 Howard , SD 57349-0706 | 605-772-5543/ 800-808-0859/ 605-579-0352 |
| Agtegra Cooperative 1000 4th Street NW, PO Box 18 Huron , SD 57350-0018 | 605-352-4390/ 605-352-4404 |
| Agtegra Cooperative 120 5th Avenue, U.S. Hwy 12 East Ipswich , SD 57451 | 605-426-6163/ 605-426-6021 |
| Fremar, LLC 211 N. Till Avenue Irene , SD 57037 | 605-263-3105/ 605-660-0683 (Troy) |
| Helena Agri-Enterprises 128 N Sioux Street Iroquois , SD 57353 | 605-546-2504/ 605-256-3973 |

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| Northern Plains Cooperative PO Box 15 Isabel , SD 57633-0015 | 605-466-2159 |
| Agtegra Cooperative PO Box 157 Java , SD 57452 | 605-649-6291 |
| Agtegra Cooperative 115 N. SD Hwy 273, PO Box 99 Kennebec , SD 57544 | 605-869-2255 |
| Agtegra Cooperative 36654 Iron Horse Drive Kimball , SD 57355 | 605-778-6141 |
| LaBolt Farmers Grain 102 E. Georgia Avenue, PO Box 91 LaBolt , SD 57246-0091 | 605-623-4581 |
| Prairie Ag Partners PO Box 158 Lake Preston , SD 57249-0158 | 605-847-4551 |
| Agtegra Cooperative 605 Railroad Street Lebanon , SD 57455 | 605-768-9465 |
| Southwest Grain, Division of CHS, Inc. 201 2nd Street E., PO Box 239 Lemmon , SD 57638-0239 | 605-374-3301 |
| Agtegra Cooperative 109 Elevator Road, PO Box 640 McLaughlin , SD 57642-0640 | 605-823-4441 |
| Mustang Seeds 306 South Washington, PO Box 466 Madison , SD 57042-0466 | 605-256-6529/ 800-952-2324/ 605-480-0156 |
| Fremar, LLC 44608 273rd Street, PO Box 357 Marion , SD 57043-0357 | 605-648-3941/ 605-661-4882 |
| Fremar, LLC (Dimock) PO Box 357 Marion , SD 57043-0357 | 605-928-3392 Located in Dimock |

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| Agtegra Cooperative PO Box 107 Mellette , SD 57461-0107 | 605-887-3572 |
| Buy Rite Seed, LLC 35539 U.S. Hwy 14 Miller , SD 57362 | 605-853-2513/ 605-204-0217/ Dale 605-870-2515 Ryan |
| Agtegra Cooperative PO Box 5 Miller , SD 57362 | 605-853-2351/ 605-377-4774 |
| Agtegra Cooperative PO Box 425 Miller , SD 57362-0425 | 605-853-3006 |
| Wilbur Ellis Air, LLC PO Box 414 Miller , SD 57362 | 605-853-2382/ 605-461-3292 |
| Agronomy Plus, Inc. 2500 W. Havens Street Mitchell , SD 57301 | 605-996-3339 |
| Farmers Alliance PO Box 1286 Mitchell , SD 57301 | 605-996-7322/ 605-999-4914 |
| Barber Chemicals, LLC 201 Cedar Ave., PO Box 905 Onida , SD 57564 | 605-380-0672 |
| Midwest Cooperative 305 Cedar Avenue Onida , SD 57564-0424 | 605-258-2687/ 605-258-2688 |
| Shepherd Seed Company, LLC 18514 301st Avenue Onida , SD 57564 | 605-264-5559/ 605-280-8058/ 605-280-9058 |
| Aesoph Seeds, LLC 34339 172nd Street Orient , SD 57467 | 605-870-0329 |
| Agland Coop 115 South 1st Street Parkston , SD 57366-6213 | 605-928-3627/ 605-680-6059 |

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| Midwest Cooperative 1919 East Sioux Pierre , SD 57501-5830 | 605-224-5935 |
| Turnis Farm Service, Inc. PO Box 516 Platte , SD 57369-0516 | 605-337-3643 |
| Wilbur Ellis Air, LLC 17150 US Highway 281 Redfield , SD 57469 | 605-472-2600 |
| Agtegra Cooperative 1227 3rd Street East Redfield , SD 57469 | 605-472-0300 |
| Karlen Ranch Partnership PO Box 1343 Reliance , SD 57569-1343 | 605-473-5605/ 605-730-5606 |
| Revilla Farmers Elevator PO Box 98 Revilla , SD 57259-0098 | 605-623-4411 |
| Agtegra Cooperative PO Box 138 Roscoe , SD 57471-0138 | 605-287-4311 |
| Fremar, LLC 44137 SD Hwy 38 Salem , SD 57058 | 605-425-2864 |
| Northern Plains Cooperative PO Box 323 Selby , SD 57472-0323 | 605-649-7682 |
| Stiegelmeier Farms, Inc. 13402 306th Avenue Selby , SD 57472-5802 | 605-649-7009/ 605-854-6034 |
| LaCrosse Seed, LLC 2810 West 3rd Street #1 Sioux Falls , SD 57104 | 877-338-9639/ 765-551-6010 |
| Wheaton Dumont Coop Elevator 101 West Oak Street, PO Box 161 Sisseton , SD 57262-0161 | 605-698-3251 Located in New Effington |

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| Agtegra Cooperative 38784 262nd Street, PO Box 248 Stickney , SD 57375-0248 | 605-732-4240 |
| Wilbur Ellis Air, LLC 45149 152nd Street Summit , SD 57266 | 605-947-4800 |
| Mettler Fertilizer PO Box 216 Tripp , SD 57376 | 605-935-6106 |
| Agtegra Cooperative 102 Main Street, PO Box 126 Tulare , SD 57476-0126 | 605-596-4114 |
| Country Pride Cooperative 310 W. Railroad Street, PO Box 159 Wagner , SD 57380-0159 | 605-384-3671 |
| Dakota Mill & Grain 111 2nd Ave., Box 419 Wall , SD 57790 | 605-279-2261 |
| Broken Heart Ranch 23268 383rd Avenue Wessington Springs , SD 57382 | 605-539-9615/ 605-999-1196/ 605-350-0334 |
| MPM Certified Seed (West River) 22875 383rd Avenue Wessington Springs , SD 57382 | 605-539-0236/ 605-770-6537 Located in Hayes |
| Agtegra Cooperative PO Box 350 Wessington Springs , SD 57382-0350 | 605-539-1555 |
| Wilbur Ellis Air, LLC 22888 U.S. Hwy 281 Wessington Springs , SD 57382 | 605-539-0240 |
| Farmers Alliance 409 S Main Street White Lake , SD 57383 | 605-249-2610/ 605-249-2233 |
| South Central Livestock Supply PO Box 455 Winner , SD 57580 | 605-840-4070 |

Agtegra Cooperative 605-883-4317/
 20137 U.S. Hwy 281 800-290-2430
Wolsey, SD 57384

CHS 605-372-3700
 47014 SD Hwy 44
Worthing, SD 57077

Agtegra Cooperative 605-599-2911
 218 So. Main
Yale, SD 57386

NOTES

WEIGHTS AND MEASURES

Linear Measure (Length)

1 Mile = 5,280 feet or 320 rods
 1 Rod = 16½ feet

Square Measure (Area)

1 Acre = 160 square rods or
 43,560 square feet
 1 Square Rod = 30¼ sq. yds.
 1 Square Yard = 9 sq. feet

Weight

1 Pound = 16 ounces
 1 Long Ton = 2,240 pounds
 (Great Britian)
 1 Short Ton = 2,000 pounds
 (USA)

Cubic Measure (Area)

1 Cubic Yard = 27 cubic feet
 1 Cubic Foot = 1,728 cubic
 inches

TEMPERATURE CONVERSIONS

To convert Centigrade to Fahr-
 enheit:

$$\frac{^{\circ}\text{C} \times 9}{5} + 32 = ^{\circ}\text{F}$$

To convert Fahrenheit to Centi-
 grade:

$$(^{\circ}\text{F} - 32) \times \frac{5}{9} = ^{\circ}\text{C}$$

DETERMINING PLANT POPULATION

Row length to equal 1/1000th acre

| Row Width in inches | Row width 1/1000 th acre |
|------------------------|--|
| 7" | 74'8" |
| 10" | 52'3" |
| 14" | 37'4" |
| 15" | 34'10" |
| 20" | 26'2" |
| 24" | 21'9" |
| 28" | 18'8" |
| 30" | 17'5" |
| 32" | 16'4" |
| 36" | 14'6" |
| 38" | 13'9" |
| 40" | 13'1" |

Metric Equivalent (Linear Measure)

1 Mile = 1.6093 kilometers
 1 Kilometer = 0.62137 mile
 1 Rod = 0.5029 decameter
 1 Decameter = 1.9884 rods
 1 Meter = 39.37 inches or 1.0936
 yds.

Meter Equivalent (Square Measure)

1 Acre = 0.04047 hectare
 1 Hectare = 2.471 acres
 1 Square Rod = 0.2529 acre
 1 Acre = 8.594 square rods
 1 Square Yard = 0.8361
 square meter

Metric Equivalent (Volume)

1 Bushel = 0.3524 hectoliter
 1 Hectoliter = 2.8375 bushels
 1 Quart dry = 1.101 liters
 1 Quart liquid = 0.9463 liters
 1 liter = 0.908 quart dry
 1 liter = 1.0567 quarts liquid

Metric Equivalent (Weight)

1 Pound = 0.4536 kilogram
 1 Kilogram = 2.2046 pounds
 1 Metric Ton = 2,204.6 pounds

Volume Conversion Factors/ Area Conversion Factors

Cubic ft. × 0.8 = bushels grain
 Cubic ft. × 7.48 = gallons
 Cubic ft. × 62.4 = pounds water
 Gallons × 8.330 = pounds water
 Gallons × 0.1337 = cubic ft.
 Cubic inches ÷ 1,728 = cubic ft.
 Cubic yard × 27 = cubic ft.
 Cubic ft. ÷ 27 = cubic yards

GROWING DEGREE DAY EQUATION

$$\text{GDD} = \frac{\text{Daily Max. Temp.}^* + \text{Daily Min. Temp.}^{\dagger} - 50^{\circ}}{2}$$

*: Up to a maximum of 86°F
 †: Not below 50°F



**SDCIA/SEED CERTIFICATION DIVISION
2380 RESEARCH PARK WAY, SUITE 136
BROOKINGS, SD 57006-1785
(605) 688-4604**

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